THE STEAM GAUGE MANUFACTURING Co. LIMITED.

Old Malthouse Works

Sams Lane, West Bromwich.

Telegrams "Gauges West Bromwich." Telephone 0178 West Bromwich

ESTABLISHED 1887.

'Phone : WEST BROMWICH 0155.

'Grams : "GAUGES, WEST BROMWICH"

— The —

Steam Gauge Manufacturing Co. Ltd.

SAMS LANE · WEST BROMWICH.

— Makers of —

ALL TYPES PRESSURE GAUGES FOR STEAM, AIR, GAS, WATER

— Pressures varying from 0 to 5 lbs. per sq. in., to 0 to 5 tons per sq. in. —

BOILER MOUNTING and OTHER GUN METAL FITTINGS.

INCLUDING

GUN METAL WHEEL VALVES, FEED VALVES, GLAND COCKS, DRAIN COCKS, ASBESTOS PACKED WATER GAUGES, WATER GAUGE COLUMNS, LUBRICATORS, WHISTLES, FURNACE RIMS, FUSIBLE PLUGS, Etc., Etc,

DISCOUNT : GAUGES — Sheets Marked G 1 to G 16 %

GUN METAL FITTINGS ,, ,, F 1 to F 28 %

Nett Prices Charged for Single Items.

INDEX

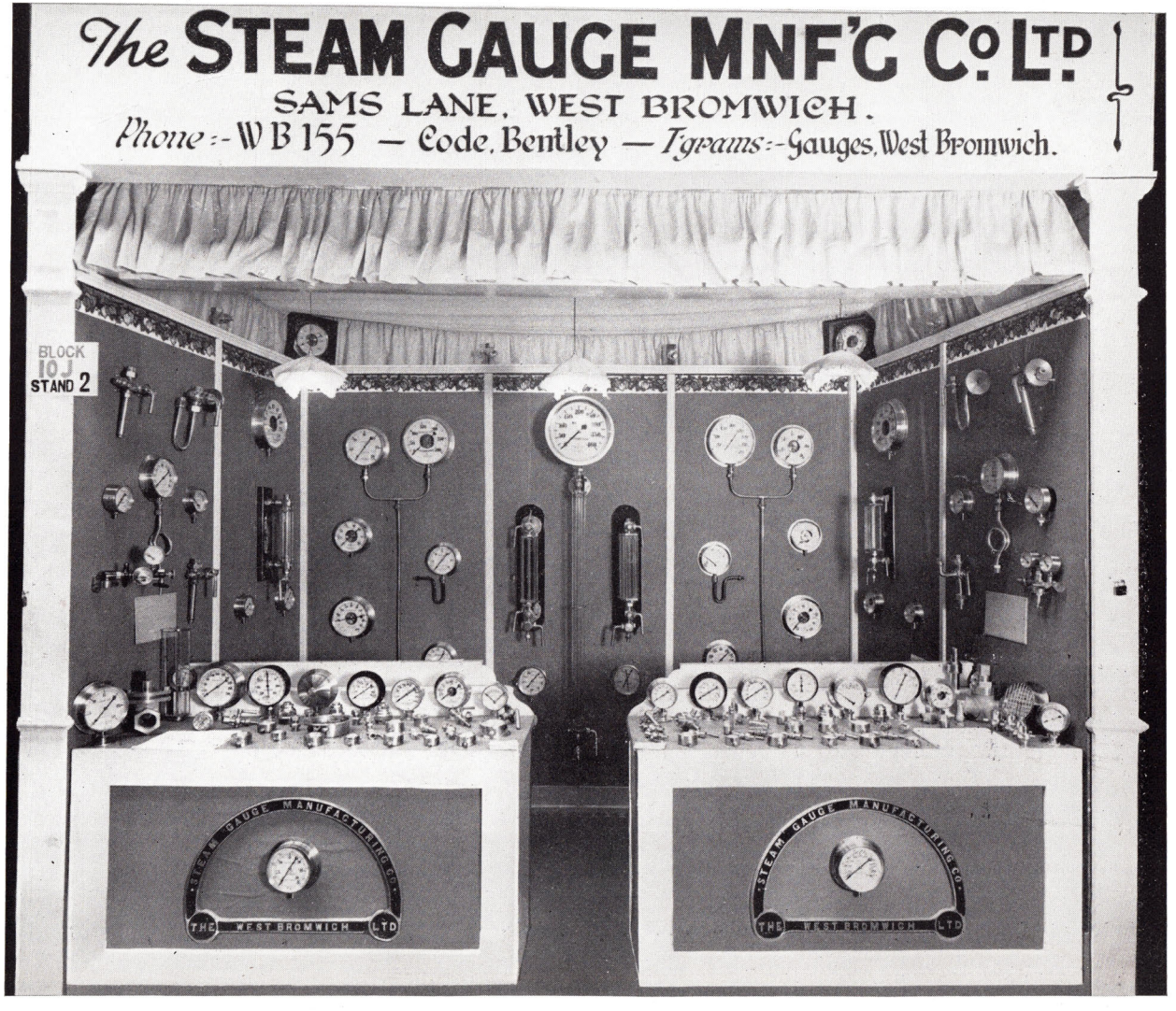
Sheet	Description
G 1	Gauges Pressure
„ 2	„ Vacuum
„ 3	„ Low Pressure
„ 3	„ Atmospheric
„ 4	„ Water Pressure
„ 4	„ Mineral Water
„ 5	„ Hydraulic
„ 6	„ Railway
„ 7	„ „
„ 8	„ Generating Station
„ 9	„ Ammonia
„ 9	„ Compound
„ 10	„ Traction
„ 11	„ Test Pumps
„ 12	„ Carbonic
„ 13	Regulators Oxy. Acety.
„ 14	Gauges Oxygen
„ 15	„ Motor Car
„ 16	„ Overload

Sheet	Description
F 1	Gauge Cocks G.M.
„ 1	„ „ Iron
„ 1	Test Cocks
„ 1	3 Way Cocks
„ 2	Syphons W. Iron
„ 3	„ Gun Metal
„ 4	Water Gauges Full Bore
„ 5	„ „ Asb. Pckd.
„ 5	„ „ Protectors
„ 6	„ „ Columns
„ 7	Fusible Plugs
„ 8	„ „ Loco & Motor
„ 9	Valves G.M. Check
„ 10	„ Steam
„ 11	„ Full Way
„ 12	„ Renewable Seat
„ 12	„ Flanged
„ 13	Cocks G.M. Plug
„ 14	„ G.M. Gland
„ 15	„ 3 way

Sheet	Description
F 16	Cocks, Pet, Round Barrel
„ 17	„ Deep Barrel
„ 18	„ Asbestos Packed
„ 19	„ Indicator
„ 19	„ Drain
„ 20	Whistles, Steam
„ 21	Unions, G.M. Steam
„ 22	Lubricators
„ 23	„ Sight Feed
„ 24	„ Suet
„ 25	Tallow Cups
„ 26	„ „
„ 27	Safety Valves
„ 28	Swivels, Gun Metal
„ 28	Elbows, „ „
„ 28	Tees „ „

SPECIAL GUN METAL FITTINGS MADE TO CLIENTS DRAWINGS.

— ALL TYPES PRESSURE & WATER GAUGES REPAIRED. —


The STEAM GAUGE MNF'G Co LTD
SAMS LANE, WEST BROMWICH.
Phone :- WB 155 — Code, Bentley — Tgrams :- Gauges, West Bromwich.
BLOCK
10 J
STAND 2
STEAM GAUGE MANUFACTURING CO.
THE WEST BROMWICH LTD
STEAM GAUGE MANUFACTURING CO.
THE WEST BROMWICH LTD

A WORD ABOUT OURSELVES — and our products

Established in 1887, we have devoted our attention chiefly to the manufacture of Pressure Gauges for Steam, Gas, Air and Water, together with High Pressure Fittings of Gun Metal which have been called for in connection with the use of these Gauges. We have our own casting shop, and are therefore able to make all our Gauges and Fittings complete from the raw material, which enables us to claim British made throughout by British labour.

We have a special Test Department, complete with Test Pumps, Deadweight Tests, Mercury Column both for Pressure and Vacuum, having a range from 5 lbs. per square inch up to 5 tons per square inch, all mounted on panels, and so connected up that they can be checked against each other, and in addition, by Master Test Gauges, which are periodically sent to the National Physical Laboratory for comparisons. We advise our clients always to specify Gauges graduated to double the Working Pressure, and to particularly see that the Joint is made quite tight when connecting the Gauge, as a considerable amount of trouble arises at this source, particularly with Steam Gauges, as however slight a leakage appears it very quickly spoils the Dial and rusts the Movement inside. We are always willing to advise clients upon any difficulties that arise, and also to check their Gauges free of cost.

Steam Gauge Manufacturing Co. Limited. : West Bromwich, England

Telegrams: "Gauges, Westbromwich." Telephone: 0155, West Bromwich. Code Bentleys.

GAUGE COCKS

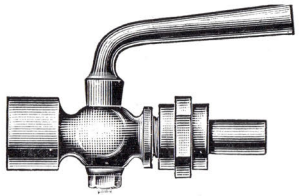


Fig. No. 116

GUN METAL
GAUGE COCKS
& UNIONS
Fig. No. **116**

Size	
¼ in.	**2/9**
⅜ in.	**3/–**
½ in.	**6/3**
,, Strong	**10/–**

IRON DITTO.
For Ammonia.

⅜ in.	**11/–**
½ in.	**14/6**

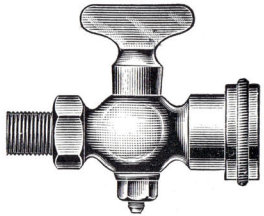


Fig. No. 134

GUN METAL
TEST COCKS
For Inspectors Gauge
Fig. No. **134**

Size
⅜ in. Male × ¾ in. Whitworth
or
⅜ in. ,, × ⅜ in. Gas
4/6

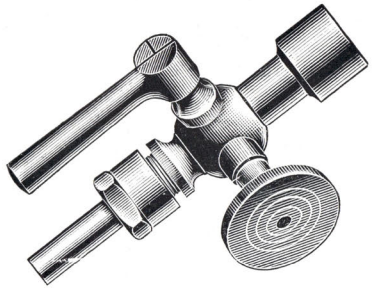


Fig. No. 132

GUN METAL
GAUGE COCK
with Control Flange
Fig. No. **132**

Size	
⅜ in.	**8/3**
½ in.	**11/6**

GUN METAL
GAUGE COCKS

Fig. No. **117**

Size	
¼ in.	**2/–**
⅜ in.	**2/3**
½ in.	**5/6**
,, Strong	**9/–**

IRON DITTO.
For Ammonia.

⅜ in.	**9/–**
½ in.	**12/6**

GUN METAL
TEST COCKS
For Inspectors Gauge
Fig. No. **133**

Size
½ in. Male with Flange
1⅝ in. Diameter
3/16 in. Thick
5/6

GUN METAL
3 WAY COCK

Fig. No. **135**

Size	
⅜ in.	**8/3**
½ in.	**11/6**

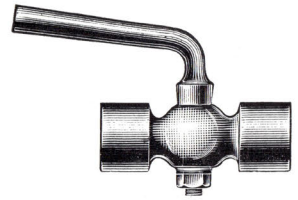


Fig. No. 117

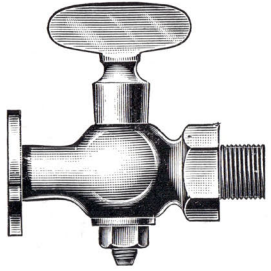


Fig. No. 133

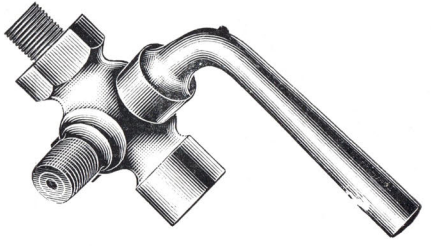


Fig. No. 135

SYPHONS
(Wrot-Iron)

Fig. No. 112

Fig. No. 113

Fig. No. 140

Fig. No. **112**

Right Hand Syphon

with Gun Metal Connection

Size	Price
$\frac{3}{8}$ in.	2/6
$\frac{1}{2}$ in.	5/3

Fig. No. **113**

Iron Syphon

with Gun Metal Cock

Size	Price
$\frac{3}{8}$ in.	3/9
$\frac{1}{2}$ in.	9/6

Fig. No. **140**

Iron Pig Tail Syphon

with Gun Metal Connection

Size	Price
$\frac{3}{8}$ in.	2/9
$\frac{1}{2}$ in.	5/9

Fig. No. **114**

Iron Syphon

with Gun Metal Connection

Size	Price
$\frac{3}{8}$ in.	2/3
$\frac{1}{2}$ in.	4/6

Fig. No. **115**

Iron Syphon

with Socket

Size	Price
$\frac{3}{8}$ in.	8/9
$\frac{1}{2}$ in	11/9

Fig. No. **141**

Iron Pig Tail Syphon

with Gun Metal Cock

Size	Price
$\frac{3}{8}$ in.	4/3
$\frac{1}{2}$ in.	7/3

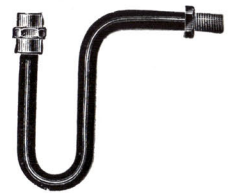


Fig. No. 114

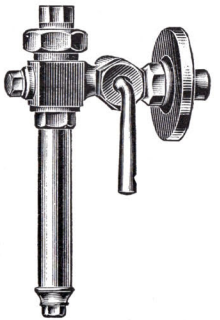
Fig. No. 115

Fig. No. 141

SYPHONS
(GUN METAL)

Gland Packed.

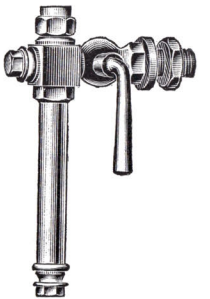
Fig. No. 121
Flanged Type Pendant Syphon.
Flange 4 in. diam.
$\frac{3}{8}$ or $\frac{1}{2}$ in. Gas for Gauge Connection.
Price **32/6**



No. 121

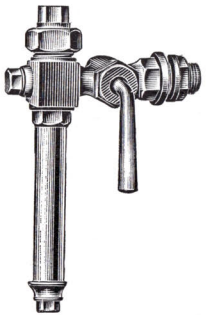
Fig. No. 118
Screwed Type Pendant Syphon.
Solid Plug.
Light Pattern
Screwed $\frac{1}{2}$ or $\frac{5}{8}$ in. Gas.
Price **20/–**
Heavy Pattern
Screwed $\frac{3}{4}$ or 1 in. Gas.
Price **22/6**
Flanged Type Price **23/4**

Solid Plug only.



No. 118

Gland Packed.

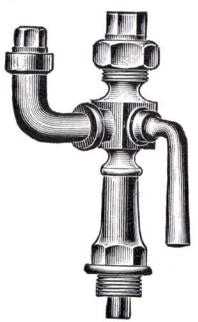


No. 120

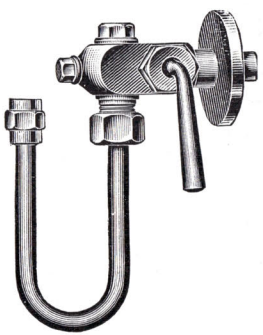
Fig. No. 120
Screwed Type Pendant Syphon.
Shank $\frac{3}{4}$ in. Gas Thread.
$\frac{3}{8}$ or $\frac{1}{2}$ in. Gas for Gauge Connection.
Price **30/–**

Fig. No. 150
Flanged Asbestos Packed Body.
With Solid Drawn Copper Syphon.
Heavy Pattern.
Price **52/6**

Fig. No. 148
Pillar Type Syphon.
With Elbow screwed for Inspectors Test Cock.
Shank 1 in. Gas Thread.
Price **32/6**



No. 148



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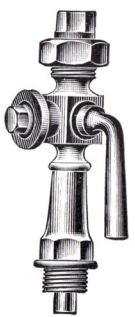


No. 149

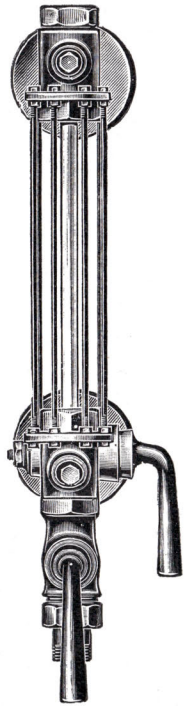
Fig. No. 149
Pillar Type Syphon.
With Flange to suit Inspectors Gauge.
Shank 1 in. Gas.
Price **26/–**

SIGHT GLASSES

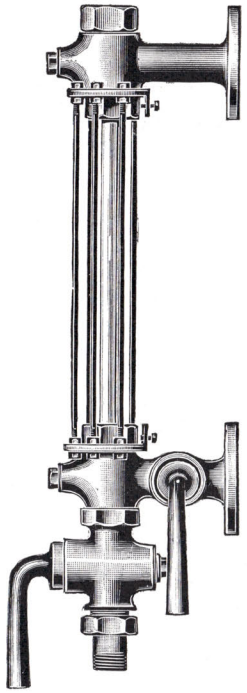
WITH WIRE ROD PROTECTORS.

HEAVY PATTERN
FITTED
WITH
1¼ in. DIAMETER
GLASSES.

CENTRE SUPPORTS
FOR RODS
WHEN CENTRES
ARE OVER 3 ft.



Front View



Side View

Fig. No. 153

LIGHT PATTERN
FITTED
WITH
1 in. DIAMETER
GLASSES.

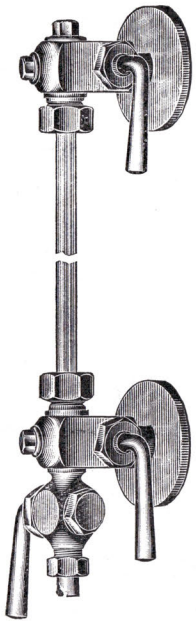
CENTRE SUPPORTS
FOR RODS
WHEN CENTRES
ARE OVER 2 ft. 6 in.

Prices upon application.

HEAVY PATTERN, FULL BORE THROUGHOUT, GUN METAL FITTINGS,
DESIGNED SPECIALLY FOR CHEMICAL AND ARTIFICIAL SILK WORKS.

WATER GAUGES

Fig. No. 55



Heavy Pattern Asbestos Packed
Water Gauges
with Automatic Shut off Valve.

Screwed Type Price **78/–**

Flanged „ „ **85/–**

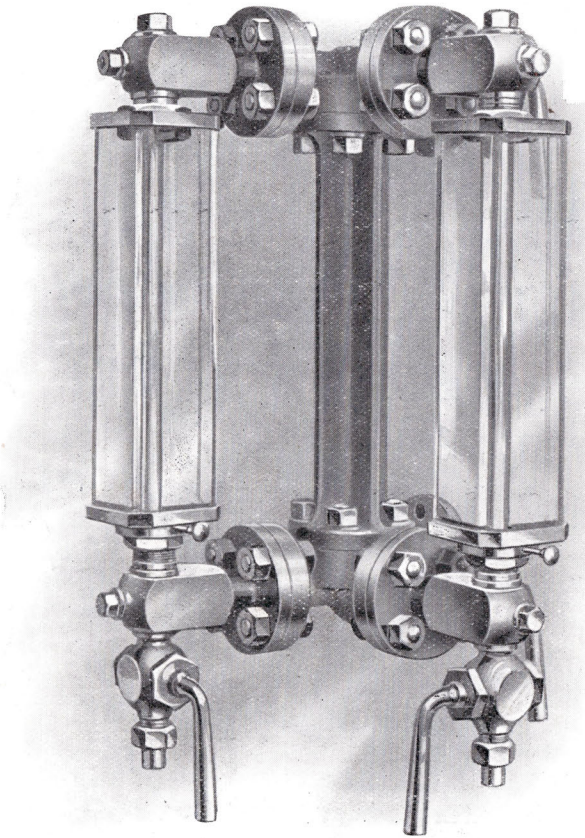
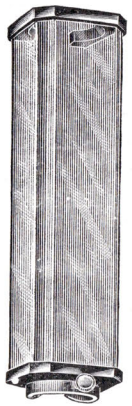


Fig. No. 91



GLASS
GAUGE PROTECTORS.

Length between Centres, inches	8	9	10	11
Glass Gauge Protector	**14/3**	**14/9**	**15/6**	**16/–**

12	13	14	15	16	17	18
16/6	**17/3**	**17/9**	**18/3**	**19/–**	**19/6**	**20/–**

Fig. No. 151
Water Gauge Column, Mounted Complete with Gauges and Protectors.

WATER GAUGES

FITTED WITH SOLID PLUGS.

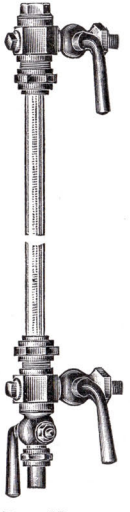
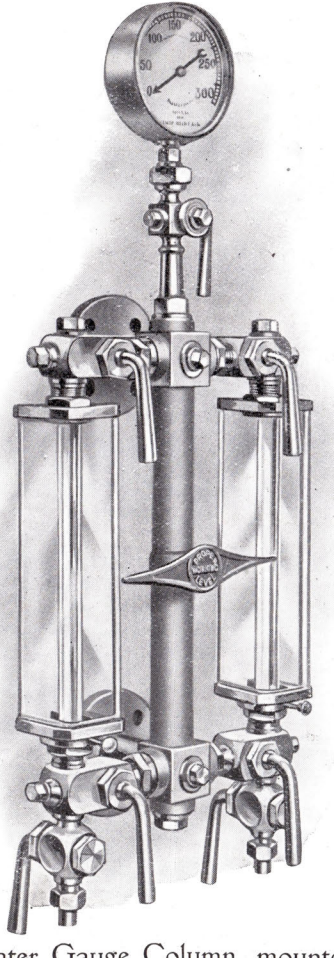


Fig. No. 37

Light Pattern. Weight 3 lb. 10 oz.
½ in. Glass. Shank Screwed ½ in.
Price ... **22/6**

Medium Pattern. Weight 6 lb. 4 oz.
⅝ in. Glass. Shank Screwed ⅝ in. Gas.
Price ... **31/-**

Heavy Pattern. Weight 10 lb. 4 oz.
¾ in. Glass. Shank Screwed ¾ in. Gas.
Price ... **50/-**



FITTED WITH PACKING GLAND AND SOLID BOTTOM COCKS.

Fig. No. 38

Light Pattern. Weight 4 lb. 10 oz.
½ in. Glass. Shank Screwed ½ in. Gas.
Price ... **27/6**

Medium Pattern. Weight 8 lb. 10 oz.
⅝ in. Glass. Shank Screwed ⅝ in. Gas.
Price .. **37/6**

Heavy Pattern. Weight 10 lb. 4 oz.
¾ in. Glass. Shank Screwed ¾ in. Gas.
Price ... **55/-**

No. 152 Water Gauge Column, mounted complete.

FUSIBLE PLUGS

(Gun Metal)

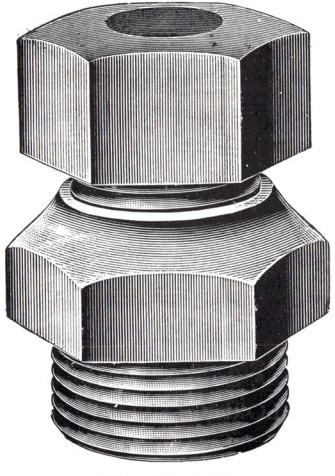


Fig. No. 76
SUITABLE FOR
VERTICAL & CORNISH BOILERS

Fig. No. 77
SUITABLE FOR
LANCASHIRE BOILERS

SIZE OF THREAD		¾in. Gas	1in. Gas	1¼in. Gas	1½in. Gas	2in. Gas	DITTO 1/16 large	DITTO 1/8 large	2¼in. Gas
Fig. No. 76	PRICE	3/–	3/6						
,, ,,	SPARE CONE	1/10	1/10						
Fig. No. 77	PRICE			6/3	10/–	11/3	13/–	14/6	15/6
	SPARE CONES			3/6	5/–	6/–	6/–	6/–	6/–
	REFILLING CONES			1/9	2/9	3/–	3/–	3/–	3/–

You will note we stock 2in. size 1/16in. and 1/8in. larger than 2in. Gas Thread to allow for the hole in the Boiler Plate to be opened out when Thread is worn badly.

FUSIBLE PLUGS

for

Loco and Motor Lorries

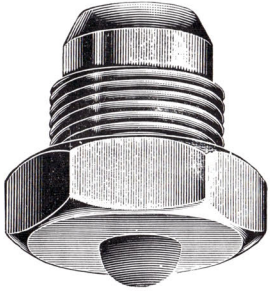


Fig. No. 78

LOCO TYPE

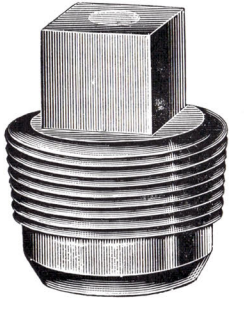


Fig. No. 79

LORRY TYPE

SIZE	¾in. Gas	1in. Gas	1¼in. Gas	1	2	3	4	5	6	
Fig. No. 78 Price	3/–	3/6	6/3							
Fig. No. 79 Price				7/3	6/–	5/–	4/3	3/6	3/–	
Diameter at top				1⅜in.	1⅝in.	1½in.	1⅜in.	1¼in.	1⅛in.	

Fig. 79
Screwed
12 Threads
per in.

Fig. 79
Specially made
to suit
Foden Lorries

STEAM CHECK VALVES

(Gun Metal)

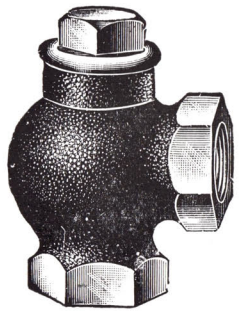


Fig. No. 49

RETENTION VALVE
Fig. No. 49

Size	½	¾	1	1¼	1½	2	2½	3 ins.
Price	**3/3**	**5/–**	**7/–**	**9/6**	**12/–**	**17/–**		
Weight	11 oz.	1/4½	2.0	2.12	4.0	6.8 lbs.		

RETENTION VALVE
Fig. No. 20

Price	**1/9**	**2/3**	**3/2**	**4/9**	**5/8**	**9/–**	**13/6**	**21/9**
Weight	0.6	0.8¾	0.15	1.7¼	2 0	3.9	5.0	8.4 lbs.

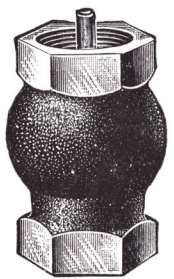


Fig. No. 20

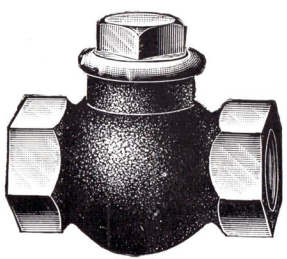


Fig. No. 41

RETENTION VALVE
Fig. No. 41

Price	**2/7**	**2/9**	**4/3**	**6/–**	**8/3**	**10/3**	**14/3**	**27/–**	**40/–**
Weight	0.7	0.11	1.4½	2.2	2.12	4.0	6·12	11.8	19.0 lbs.

RETENTION VALVE.
Fig. No. 42 Flanged Pattern.

Price		**8/6**	**12/6**	**18/–**	**20/–**	**31/–**
Distance F. to F.	$2\frac{5}{16}$	$2\frac{3}{4}$	$3\frac{1}{8}$	$3\frac{1}{2}$	$4\frac{1}{8}$ in.	
Diam. of Flange	4	$4\frac{3}{4}$	$5\frac{1}{4}$	$5\frac{1}{2}$	$6\frac{1}{2}$,,	

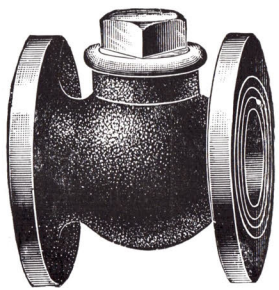


Fig. No. 42

STEAM WHEEL VALVES

(Gun Metal)

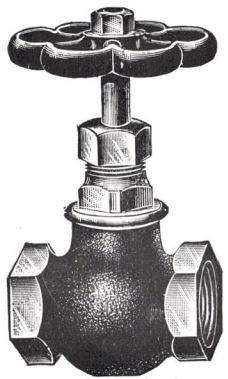


Fig. No. 16

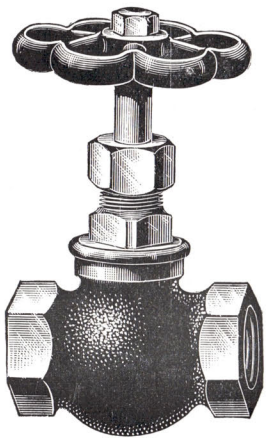


Fig. No. 17

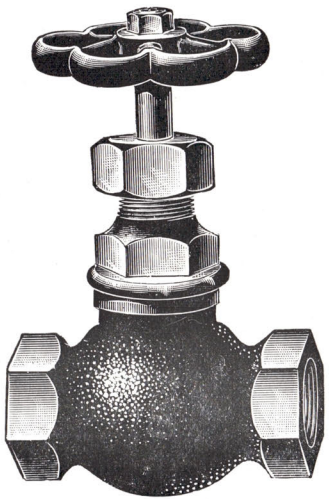


Fig. No. 39

Fig. No. 16 Light Pattern (Export Quality only)

Light Pattern	Size Ins.	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
to suit	Price		**2/6**	**2/8**	**3/7**	**5/–**	**7/–**	**9/6**	**14/–**	**25/6**	**35/–**
80 lbs. per sq. in.	Weight lbs.		0.9	$0.11\frac{1}{4}$	$1.1\frac{1}{2}$	$1.11\frac{1}{2}$	2.9	3.13	6.1	$11\frac{1}{2}$	$15\frac{1}{2}$

Fig. No. 17 Standard Pattern

Standard Pattern										
to suit	Price	**2/3**	**2/6**	**2/9**	**3/9**	**5/9**	**8/9**	**11/9**	**16/6**	**28/6**	**36/–**
150 lbs. per sq. in.	Weight lbs	$0.10\frac{1}{2}$	1.12	0.14	1.9	2.8	3.13	5.3	$7\frac{3}{4}$	$13\frac{3}{4}$	18

Fig No 39 Strong Pattern Painted Slate Grey

Strong Pattern										
to suit	Price	**3/2**	**4/1**	**4/8**	**6/7**	**9/4**	**14/9**	**17/–**	**26/–**	**39/–**	**58/–**
250 lbs. per sq. in.	Weigh lbs	0.14	1.0	1.6	2.5	3.7	5.0	$7\frac{1}{4}$	$11\frac{1}{2}$	17	$23\frac{1}{4}$

ALL WITH GLAND IN STUFFING BOX.

FULLWAY VALVES

Gun Metal Peets Pattern.

Suitable for use in connection with Heating Apparatus, &c. Substantial Stuffing Boxes and Packing Glands.

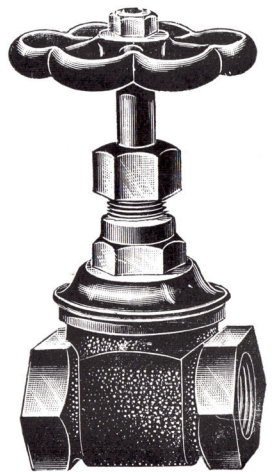


Fig. No. 48

Size	½	¾	1	1¼	1½	2	2½	3 in.
Price	**4/3**	**5/6**	**7/6**	**10/11**	**13/6**	**20/3**	**36/–**	**48/–**
Weight	1.9	2.2	3.0	4 9	6.0	9.0	15.4	21.4

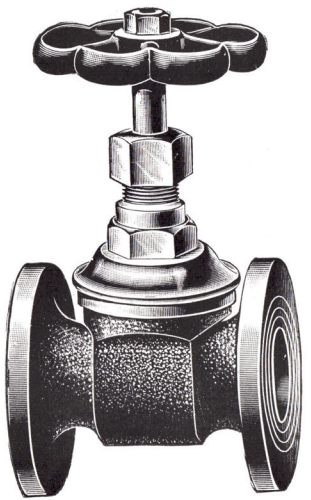


Fig. No. 18

FLANGED PATTERN

Size	1	1¼	1½	2	2½	3 in.
Price	**17/6**	**23/–**	**32/–**	**45/–**	**66/–**	**93/–**
Diameter of Flanges	4¾	5¼	5½	6½	7¼	8 in.
Distance Face to Face	3⅞	4¾	5	5¾	6	6½ in.

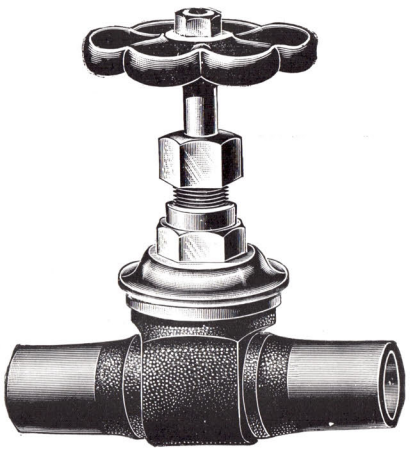


Fig. No. 19

WITH PLAIN ENDS FOR LEAD

Size	¾	1	1¼	1½	2 in.
Price	**7/3**	**11/3**	**16/6**	**24/–**	**32/–**
Weight	2.4	3.2	4.14	6.2	9.13 lbs

STEAM WHEEL VALVES

(Gun Metal)

RENEWABLE DISC PATTERN.

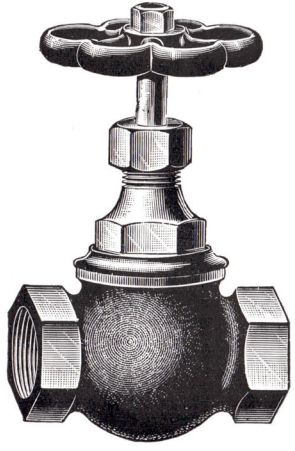
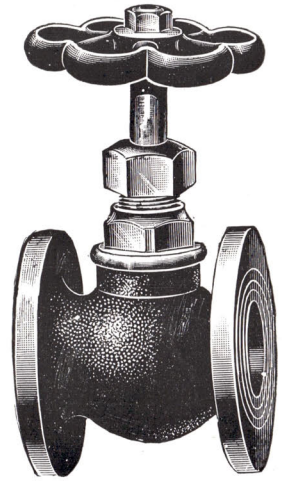


Fig. No. 26

Fitted with "Jenkins" genuine Renewable Discs.

Size ...	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 in.
Price, each	**4/4**	**5/2**	**6/7**	**8/5**	**14/3**	**16/9**	**24/–**
Weight, each	1	1.7	2.3	3.2	4.10	6.8	10.0 lbs.

N.B.—When required for Water Pressure, order should state so,



With Gland in Stuffing Box.

Fig. No. 40 Flanged Type

To suit 100 lbs. sq. in.

Size ...	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3 in.
Price ...	**6/6**	**9/9**	**13/4**	**19/3**	**24/3**	**34/6**	**54/–**	**70/–**
Diam Flange	$3\frac{1}{2}$	4	$4\frac{3}{4}$	$5\frac{1}{4}$	$5\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{4}$	8 in.
Face to Face	$2\frac{1}{2}$	$2\frac{5}{8}$	$3\frac{1}{8}$	$3\frac{5}{8}$	$3\frac{3}{4}$	$4\frac{1}{2}$	6	$6\frac{3}{4}$ in.

Fig. No. 40a Heavy Pattern.

To suit 200 lbs. sq. in.

Price ...	**12/6**	**17/–**	**24/6**	**33/–**	**42/6**	**62/6**	**85/–**
Diam Flange	4	$4\frac{3}{4}$	$5\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	8 in.
Face to Face	4	$4\frac{1}{2}$	$4\frac{3}{4}$	$5\frac{3}{4}$	$5\frac{3}{4}$	7	$8\frac{1}{4}$ in.

PLUG COCKS

(Gun Metal)

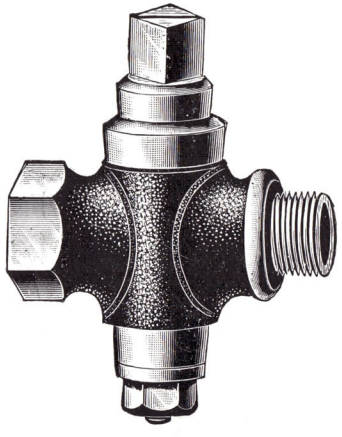


Fig. No. 43

Size	Weight	Price
¼ in.	0 6 lbs.	**2**/–
⅜ ,,	0.8 ,,	**2**/**6**
½ ,,	0 14 ,,	**3**/–
¾ ,,	1.9 ,,	**4**/-
1 ,,	2.8 ,,	**6**/**8**
1¼ ,,	4 0 ,,	**10**/**6**
1½ ,,	5.7 ,.	**13**/**7**
2 ,,	10.0 ,,	**23**/–
2½ ,,	21.0 ,,	**52**/–
3 ,,	28.0 ,,	**71**/–

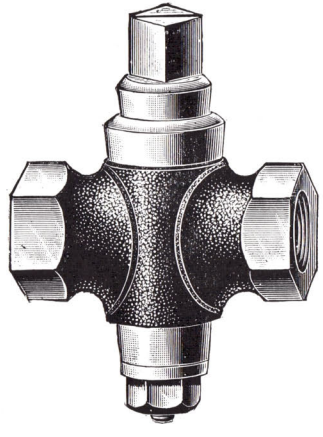


Fig. No. 44

Size	Weight	Price
¼ in.	0 6 lbs.	**2**/–
⅜ ,,	0.8½ ,,	**2**/**6**
½ ,,	0.14 ,,	**3**/–
¾ ,,	1.10 ,,	**4**/–
1 ,,	2.8 ,,	**6**/**8**
1¼ ,,	4 2 ,,	**10**/**6**
1½ ,,	5 12 ,,	**13**/**7**
2 ,,	10 12 ,,	**23**/–
2½ ,,	20.0 ,,	**52**/–
3 ,,	27.0 ,,	**71**/–

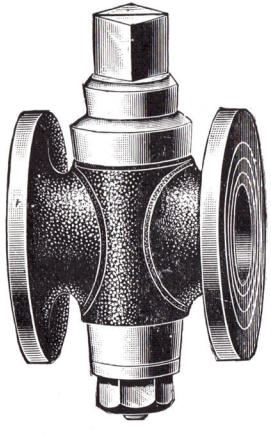


Fig. No. 27

Size	Weight	Face to Face	Dia. of Flange	Price
¾ in.	2.12 lbs	4 in.	3 in.	**8**/**10**
1 ,,	5.1 ,,	4¾ ,,	3½ ,,	**15**/**3**
1¼ ,,	8.10 ,,	5¼ ,,	4¾ ,,	**23**/–
1½ ,,	9.10 ,,	5½ ,,	5 ,,	**26**/–
2 ,,	16.14 ,,	6½ ,,	5¾ ,,	**40**/–
2½ ,,	26.12 ,,	7¼ ,,	8 ,,	**67**/–
3 ,,	37.9 ,,	8 ,,	8¾ ,,	**90**/–

GLAND COCKS

(Gun Metal)

CAP COCK.

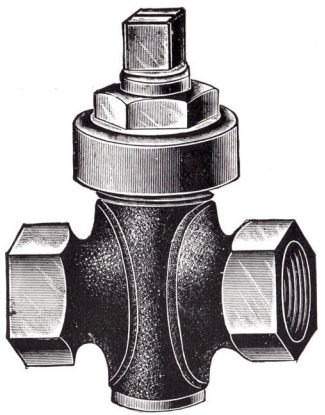


Fig. No. 45

Size	Weight	Price
½ in.	1½ lbs.	**6**/–
¾ ,,	2½ ,,	**8**/–
1 ,,	4½ ,,	**10/6**
1¼ ,,	6½ ,,	**17/6**
1½ ,,	9½ ,,	**21**/–
2 ,,	15¼ ,,	**31**/–

GLAND COCK.

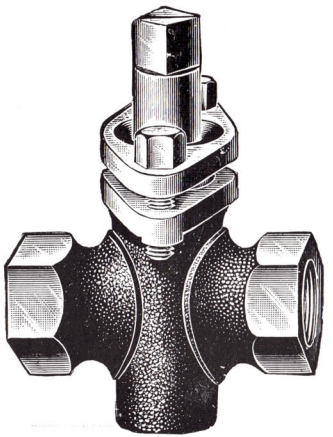


Fig. No. 46 Light Pattern

	¼	⅜	½	¾	1	1¼	1½	2	2½	3 in.
Price	**3/4**	**4/2**	**5**/–	**6/9**	**9/3**	**14**/–	**17**/–	**28/6**	**61**/–	**76**/–
Weight	0.10	0.12	1.4	2.0	2 14	4.8	5.14	11¼	22½	27 lbs.

Fig. No. 46a Heavy Pattern

Price	**4/6**	**5/9**	**7/3**	**10/6**	**17/5**	**24**/–	**40**/–	**70**/–	**100**/–
Weight	1	1½	2.11	4.7	5½	9½	18	36	48 lbs.

GLAND COCK.

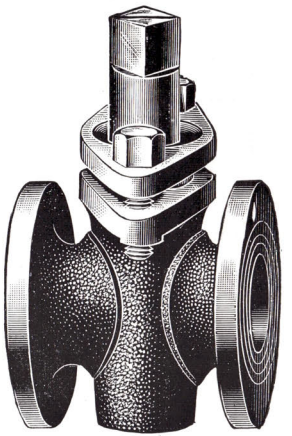


Fig. No. 47

Size	Weight	Price	Face to Face	Dia. of Flange
¾ in.	3.1 lbs.	**12**/–	2¾ in.	3½ in.
1 ,,	5.12 ,,	**19**/–	2⅞ ,,	4 ,,
1¼ ,,	8.0 ,,	**27**/–	4 ,,	4½ ,,
1½ ,,	11.0 ,,	**30**/–	4⅝ ,,	5 ,,
2 ,,	18.0 ,,	**47**/–	5⅛ ,,	6 ,,
2½ ,,	30.0 ,,	**82**/–	7⅛ ,,	7 ,,
3 ,,	40.0 ,,	**108**/–	8 ,,	7½ ,,

3 WAY GLAND COCKS

(Gun Metal)

PLUG COCK

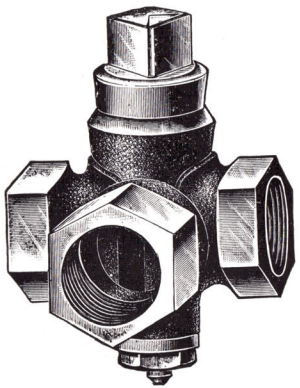


Fig. No. 154

Size	Weight	Price
½ in.	1.4 lbs.	**5/3**
¾ ,,	2.6 ,,	**7/–**
1 ,,	3.12 ,,	**11/6**
1¼ ,,	5.10 ,,	**16/6**
1½ ,,	7.4 ,,	**21/–**
2 ,,	11.12 ,,	**36/–**
2½ ,,	23.8 ,,	**79/–**
3 ,,	32.8 ,,	**106/–**

GLAND COCK

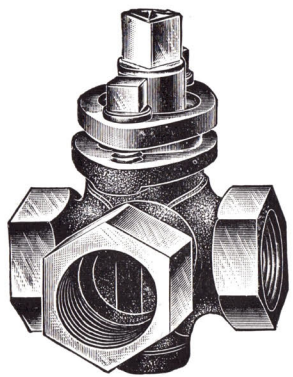


Fig. No. 155

Size	Weight	Price
¾ in.	2½ lbs.	**11/–**
1 ,,	3¼ ,,	**14/6**
1¼ ,,	5.10 ,,	**22/–**
1½ ,,	7¾ ,,	**26/–**
2 ,,	14¾ ,,	**44/–**
2½ ,,	26½ ,,	**83/–**

GLAND COCK

(Flanged)

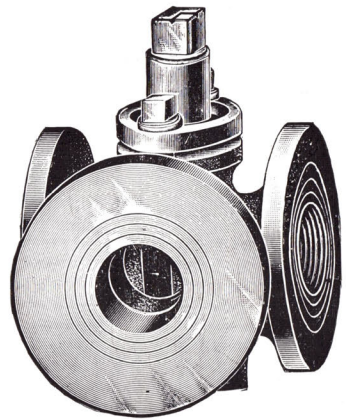


Fig. 156

Size	Weight	Diam. of Flange	Price
¾ in.	4 lbs.	3½ in.	**18/–**
1 ,,	7½ ,,	4 ,,	**28/–**
1¼ ,,	11¼ ,,	4½ ,,	**40/–**
1½ ,,	15½ ,,	5 ,,	**52/–**
2 ,,	24¼ ,,	6 ,,	**73/–**
2½ ,,	37 ,,	7 ,,	**112/–**
3 ,,	50 ,,	7½ ,,	**146/–**

BOILER PET COCKS

(Gun Metal Round Barrel)

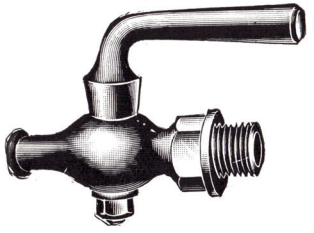


Fig. No. 72

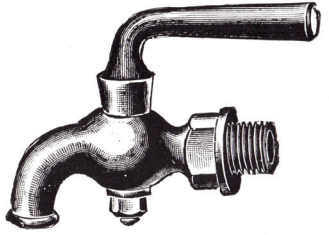


Fig. No. 68

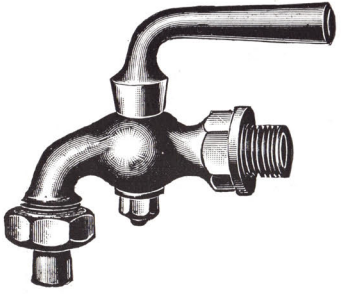


Fig. No. 69

Fig. No. 72

¼	⅜	½	⅝	¾	1 in. iron.
23/6	31/–	46/–	76/–	89/–	120/– dozen.

Fig. No. 68

24/–	32/–	46/–	76/–	90/–	114/– dozen.

Fig. No. 69

30/–	38/–	52/–	91/–	98/–	134/– dozen.

Fig. No. 73

27/6	36/–	53/–	83/–	106/–	133/– dozen.

Fig. No. 70

27/6	35/–	48/–	77/–	95/–	124/– dozen.

Fig. No. 71

30/–	39/–	55/–	90/–	103/–	146/– dozen.

Union Outlets, Screwed.

⅜	⅜	⅜	½	⅝	¾ iron.

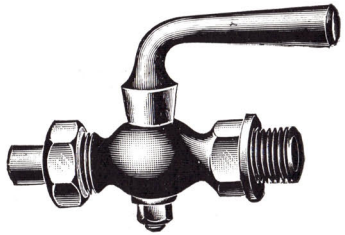


Fig. No. 73

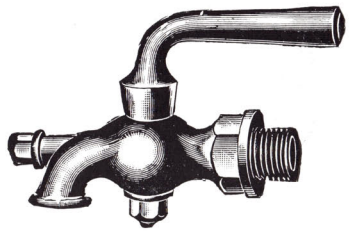


Fig. No. 70

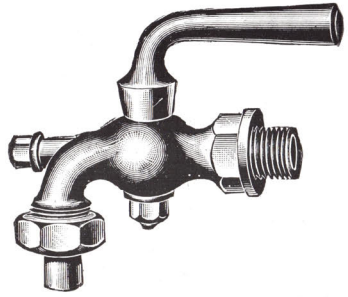


Fig. No. 71

BOILER PET COCKS

(Gun Metal Deep Barrel)

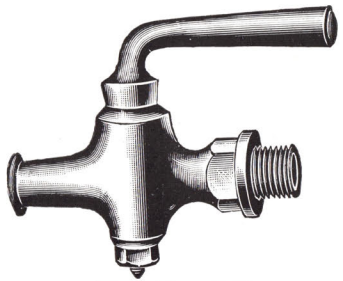


Fig. No. 157

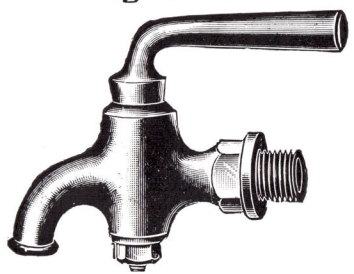


Fig. No. 158

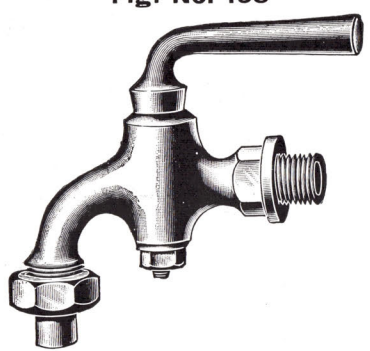


Fig. No. 159

Fig. No. 157

¼	⅜	½	⅝	¾	1 in. iron.
32/-	38/-	50/-	68/-	84/-	107/- dozen.

Fig. No. 158

31/- 39/- 49/- 68/- 82/- 104/- dozen.

Fig. No. 159

37/- 45/- 55/- 80/- 90/- 120/- dozen.

Fig. No. 160

38/- 48/- 54/- 77/- 92/- 118/- dozen.

Fig. No. 161

35/- 42/- 52/- 72/- 84/- 109/- dozen.

Fig. No. 162

39/- 47/- 59/- 82/- 95/- 124/- dozen.

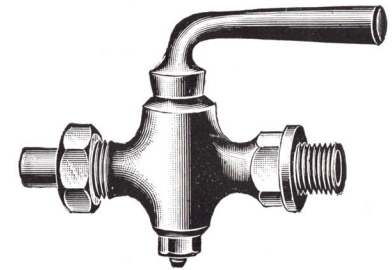


Fig. No. 160

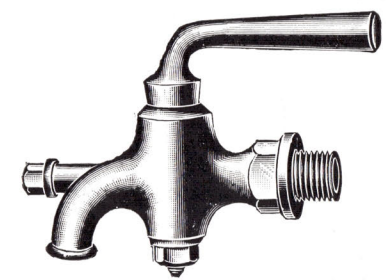


Fig. No. 161

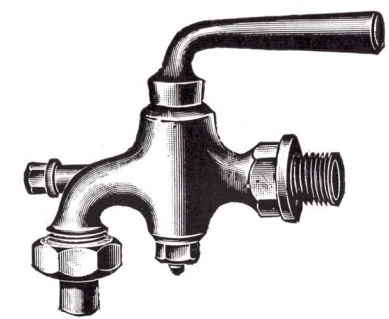


Fig. No. 162

BOILER PET COCKS

(Gun Metal Asbestos Packed)

Deep Barrel.

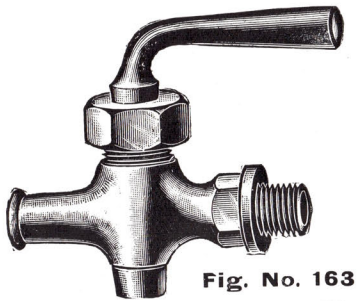


Fig. No. 163

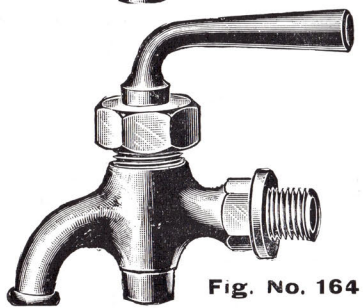


Fig. No. 164

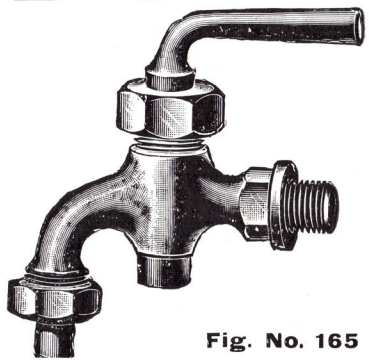


Fig. No. 165

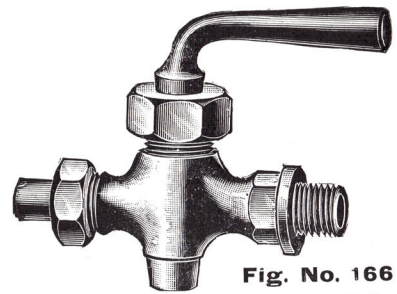


Fig. No. 166

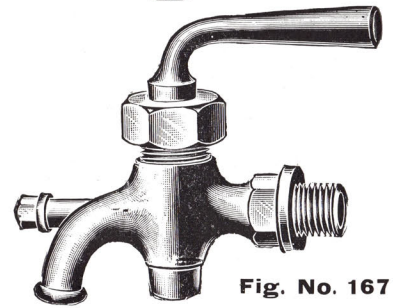


Fig. No. 167

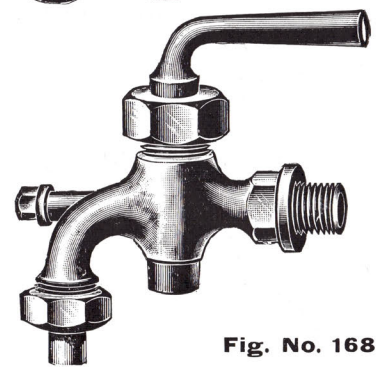


Fig. No. 168

		Fig. No. 163			
¼	⅜	½	⅝	¾	1 in.
40/–	48/–	56/–	76/–	88/–	112/– doz.
		Fig. No. 164			
45/–	55/–	61/–	84/–	95/–	110/– doz.
		Fig. No. 165			
51/–	62/–	69/–	92/–	102/–	122/– doz.
		Fig. No. 166			
46/–	56/–	66/–	85/–	97/–	124/– doz.
		Fig. No. 167			
48/–	58/–	66/–	84/–	97/–	115/– doz.
		Fig. No. 168			
53/–	64/–	75/–	96/–	106/–	128/– doz.

BOILER PET COCKS

Including Indicator and Drain Cocks.

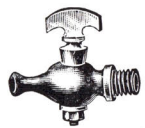


Fig. No. 60

PET COCKS.

Size	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$ iron.
Fig. No. 60	17/–	17/6	20/– doz.
,, **61**	19/–	20/–	22/– ,,
,, **62**	18/–	19/–	21/– ,,
,, **63**	19/–	20/–	21/– ,,

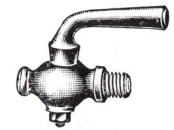


Fig. No. 62

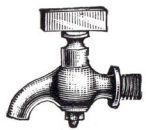


Fig. No. 61

INDICATOR
OIL GAUGE COCK.

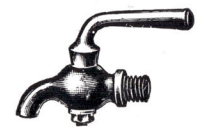


Fig. No. 63

Fig. No. 64

Screwed $\frac{1}{2}$ in. iron.
$2\frac{1}{4}$ in. Column
78/– doz.

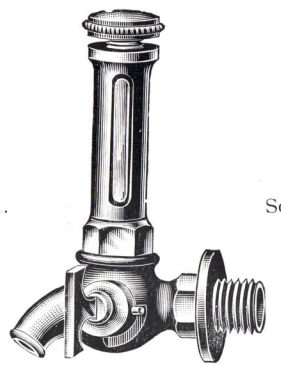


Fig. No. 64 & 65.

Fig. No. 65

Screwed $\frac{1}{2}$ in. iron.
$3\frac{3}{4}$ in. Column
81/– doz.

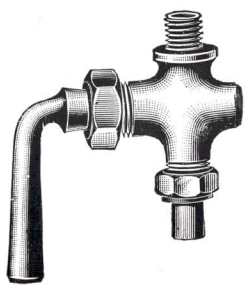


Fig. No. 66
BLOW OFF COCK

Size	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in. iron
Fig. No. 66	59/–	71/–	92/–	108/– doz.
,, **67**		10/6	13/–	16/6 each

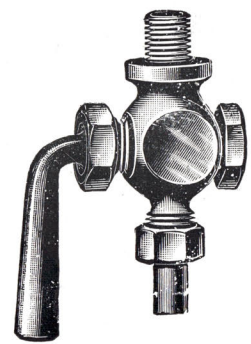


Fig. No. 67
BLOW OFF COCK

STEAM WHISTLES

	1	1¼	1½	2	2½	3	3½	4	5	6	8 in. diam.
Fig. No. 33			11/-	18/-	24/-	30/-	37/-	48/-	60/-	90/-	250/- each
,, **34**			21/-	28/-	38/-	45/-					,,
,, **35**	16/-	17/-	22/-	30/-	47/-	57/-	77/-				,,
,, **36**				21/-	28/-	34/-	44/-	55/-	76/-	92/-	,,
,, **35**	½	⅛	¾	1	1¼	1¼	1½ in. iron				
Others Screwed			½	½	¾	¾	1	1	1¼	1¼	2 in. iron.

TRIPLE HARMONY WHISTLE

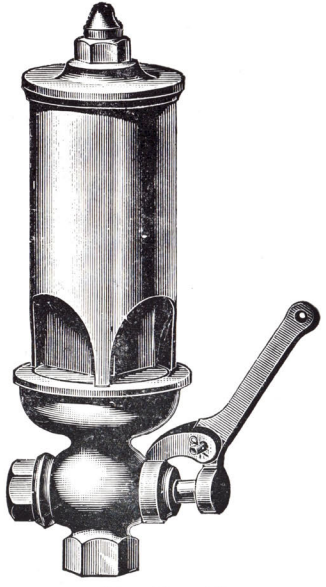


Fig. No. 34

LOCO WHISTLE with LEVER HANDLE

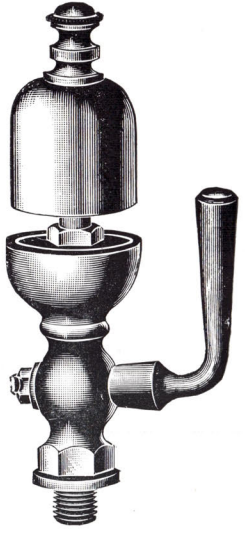


Fig. No. 33

LOCO WHISTLE with SPRING VALVE

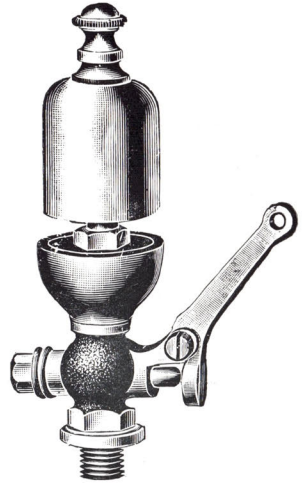


Fig. No. 36

ORGAN PIPE WHISTLE

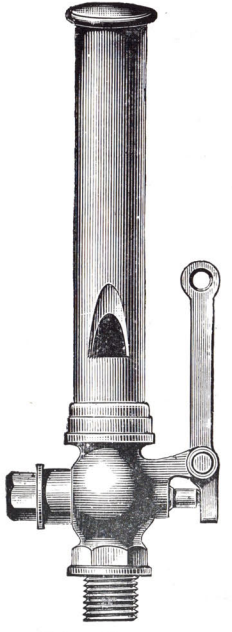


Fig. No. 35

Gun Metal Steam Unions

All Tighted and Dressed.

	⅛	¼	⅜	½	¾	1	1¼	1½	2	2½	3 in.
Fig. No. 50			**13/-**	**20/-**	**27/-**	**46/-**	**74/-**	**111/-**	**144/-** per doz.		
,, 51			**18/-**	**20/-**	**26/-**	**39/-**	**73/-**	**88/-**	**154/-** ,,		
,, 52			**10/-**	**12/-**	**20/-**	**26/-**			,,		
LIGHT PATTERN											
Fig. No. 53	**10/-**	**11/-**	**15/-**	**22/-**	**26/-**	**38/-**	**64/-**	**76/-**	**108/-** doz.	**18/-**	**28/-** each
Weight lbs.	2¼	3	4½	8	9	13¼	25½	32	49½ doz.	7½	10 each
STRONG PATTERN											
Fig. No. 54		**19/-**	**24/-**	**30/-**	**56/-**	**72/-**	**112/-**	**126/-**	**204/-** doz.	**24/-**	**34/-** each
Weight lbs.		4½	6¾	9	16½	22½	39	51	90 doz.	10	13½ each

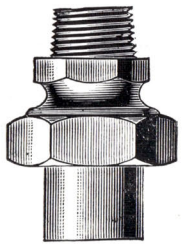


Fig. No. 50

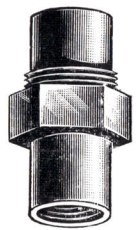


Fig. No. 51

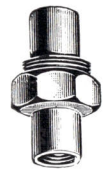


Fig. No. 52

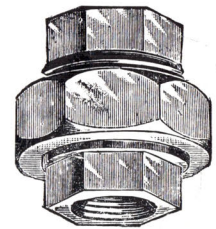


Fig. No. 53
LIGHT PATTERN

Fig. No. 54
STRONG PATTERN

LUBRICATORS

(Gun Metal)

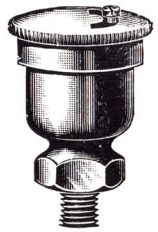


Fig. No. 28

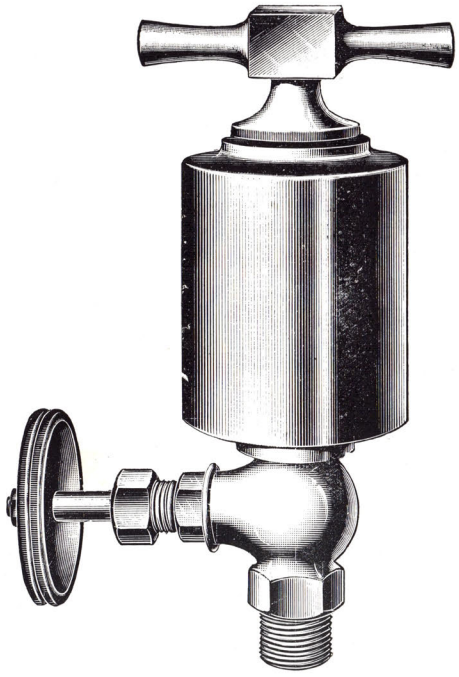


Fig. No. 59

SUET LUBRICATOR

½ pint **27/6**

1 pint **35/-**

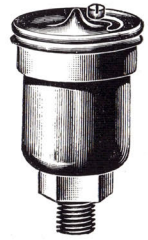


Fig. No. 29

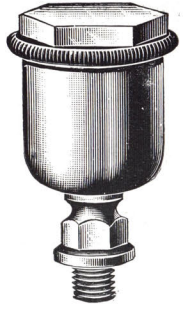


Fig. No. 30

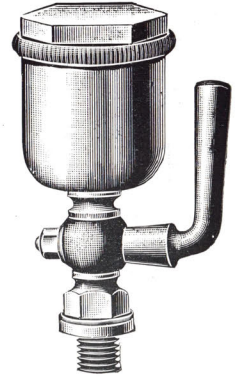


Fig. No. 31

OIL SYPHONS SLIDE LID						
Size	1	1¼	1½	2	2½	3 in. dia.
Neck	¼	⅜	⅜	⅜	½	¾ in. iron
No. 28	26/-	30/-	36/-	47/-	71/-	111/- doz.
No. 29	39/-	42/-	50/-	70/-	97/-	134/- ,,

GREASE CUPS SCREWED TOPS						
Size	1	1¼	1½	2	2½	3 in. dia.
Neck	¼	⅜	⅜	⅜	½	¾ in. iron.
No. 30	26/-	30/-	36/-	47/-	71/-	111/- doz.
No. 31	39/-	42/-	50/-	70/-	97/-	134/- ,,

GUN METAL AUTOMATIC DROP SIGHT FEED LUBRICATORS.

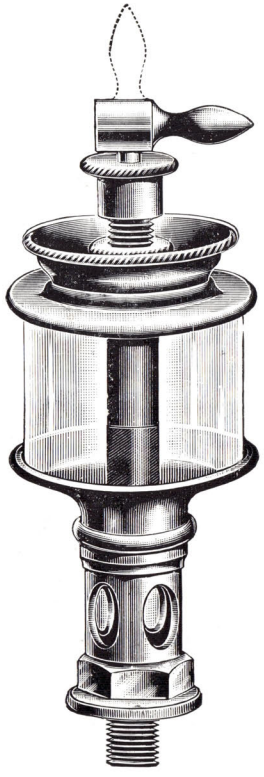


Fig. No. 177
CYLINDER PATTERN

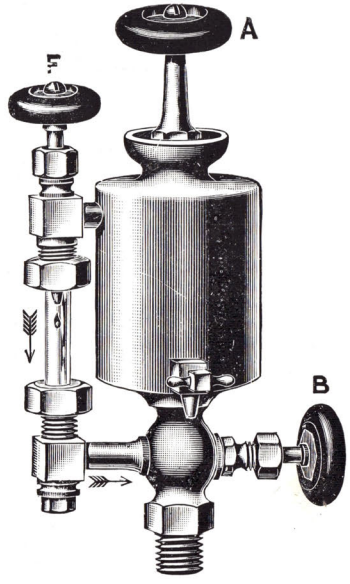


Fig. No. 58

Size	Dia	Screwed	Price
$\frac{1}{4}$ Pint	$2\frac{1}{4}$	$\frac{1}{2}$ in. Gas	**40**/–
$\frac{1}{2}$,,	$2\frac{5}{8}$	$\frac{1}{2}$ in ,,	**45**/–
$\frac{3}{4}$,,	**3**	$\frac{3}{4}$ in. ,,	**54**/–
1 ,,	$3\frac{1}{2}$	$\frac{3}{4}$ in. ,,	**70**/–

Outside Diam. of Glass	$1\frac{1}{2}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$ in.
Screwed Iron Gas Thread	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$ in.
Fig. No. 177	6/–	7/3	8/–	8/6	9/6	11/3 each
Fig. No. 178	6/–	7/3	8/–	8/6	9/6	11/3 ,,

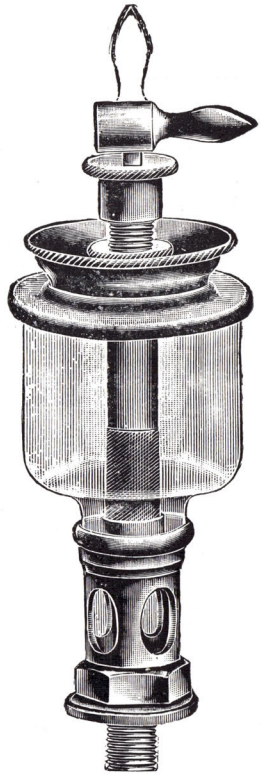


Fig. No. 178
VASE PATTERN

LUBRICATORS

(Sight Feed and Suet.)

Fig. No. 25

IMPROVED AUTOMATIC
SPRING FEED
GREASE LUBRICATOR.

No.	1	1 in. dia.	cup	$\frac{1}{4}$ in.	gas **3/6**
,,	2	$1\frac{1}{4}$,,	,,	$\frac{1}{4}$,,	**3/9**
,,	3	$1\frac{1}{2}$,,	,,	$\frac{1}{4}$,,	**4/6**
,,	4	$1\frac{3}{4}$,,	,,	$\frac{1}{4}$,,	**5/3**
,,	5	2 ,,	,,	$\frac{1}{2}$,,	**7/3**
,,	6	$2\frac{1}{2}$,,	,,	$\frac{1}{2}$,,	**10/6**

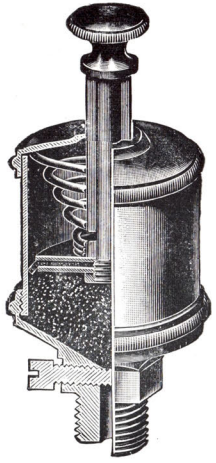


Fig. No. 24

Fig. No. 57

SIGHT
FEED LUBRICATOR

$\frac{1}{2}$ pint ...	**72/6**
1 ,, ...	**93/–**
$1\frac{1}{2}$,, ...	**120/–**
2 ,, ...	**135/–**

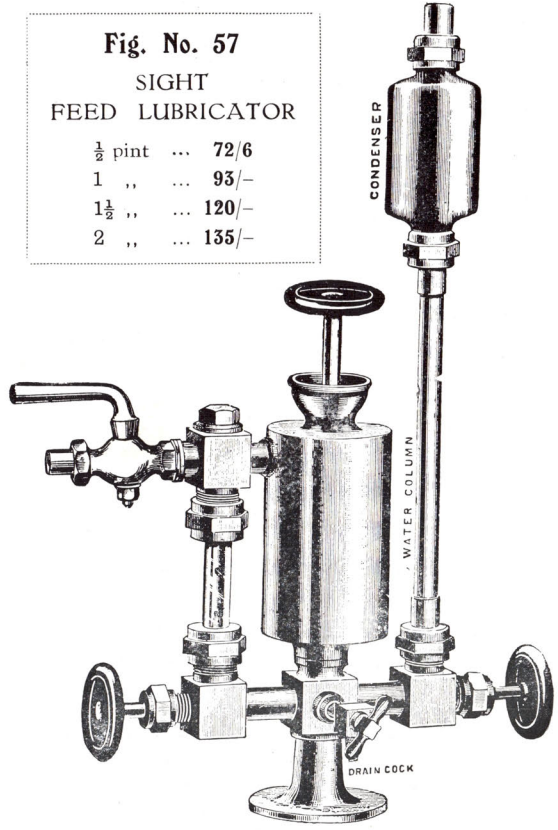


Fig. No. 57

Fig. No. 25

SUET LUBRICATOR

Size		
$1\frac{1}{4}$	$\frac{1}{2}$ in. gas	**12/6**
$1\frac{1}{2}$	$\frac{1}{2}$,,	**15/6**
2	$\frac{1}{2}$,,	**20/–**
$2\frac{1}{2}$	$\frac{3}{4}$,,	**24/–**

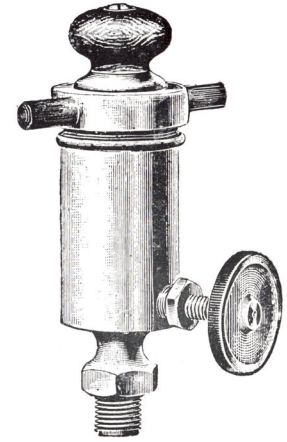


Fig. No. 25

Gun Metal Tallow Cups

ROUND BARREL COCKS.

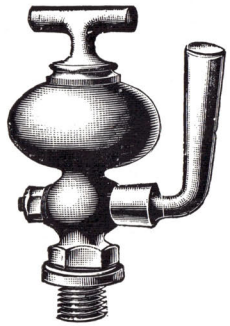


Fig. No. 169
SINGLE PATTERN

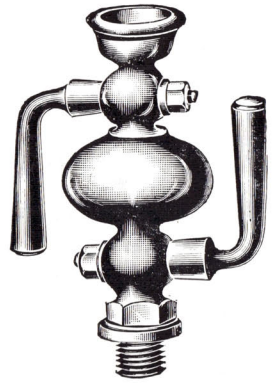


Fig. No. 170
DOUBLE PATTERN

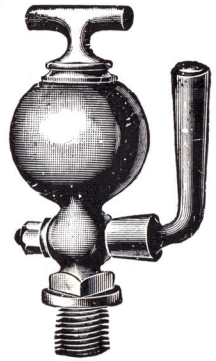


Fig. No. 171
SINGLE PATTERN

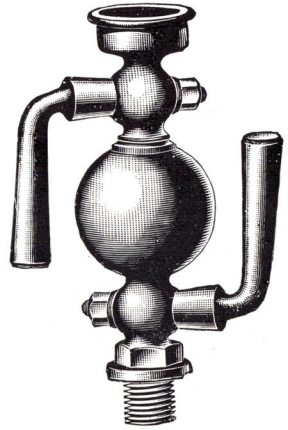


Fig. No. 172
DOUBLE PATTERN

Diameter	1¼	1½	2	2¼	2½	3	3½	4 in.
Size Screwed	⅜	⅜	⅜	½	½	¾	¾	¾ in. iron
No. 169	3/6	3/10	5/–	6/2	7/4	9/6	13/–	18/– each
No. 170	6/–	6/9	8/6	10/–	12/–	15/–	21/–	28/– each

Diameter	1¼	1½	2	2¼	2½	3	3½	4	5	5½ in.
Size Screwed	⅜	⅜	⅜	½	½	¾	¾	¾	¾	1 in. iron
No. 171	3/6	3/10	5/3	6/6	8/–	10/–	14/–	19/–	30/–	41/– each
No. 172	6/6	7/–	9/–	10/6	12/6	16/6	26/–	36/– each		

Gun Metal Tallow Cups

DEEP BARREL GLAND PACKED COCKS

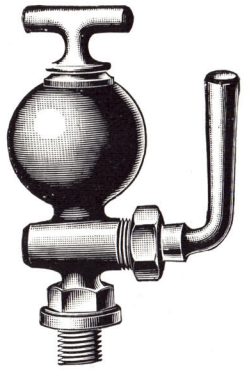


Fig. No. 173
SINGLE PATTERN

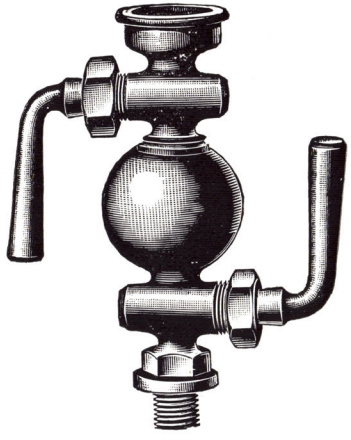


Fig. No. 174
DOUBLE PATTERN

Diameter	1¼	1½	2	2¼	2½	3	3½	4 in.
Size Screwed	⅜	⅜	⅜	½	½	¾	¾	¾ in. iron
No. 173	5/6	6/3	7/6	9/–	10/6	13/6		each
No. 174	8/6	10/–	13/–	14/6	17/–	21/–	30/–	41/– ,,

DEEP BARREL PLUG COCKS.

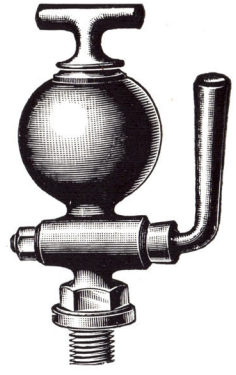


Fig. No. 175
SINGLE PATTERN

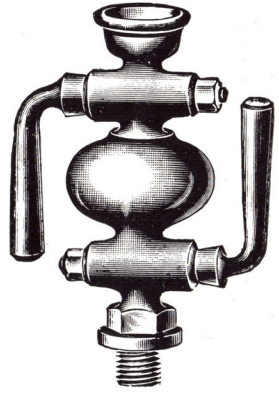


Fig. No. 176
DOUBLE PATTERN

Diameter	1¼	1½	2	2¼	2½	3	3½	4 in.
Size Screwed	⅜	⅜	⅜	½	½	¾	¾	¾ in. iron
No. 175	4/–	4/4	5/9	7/–	8/4	11/–	14/6	20/– each
No. 176	8/6	10/–	13/–	14/6	17/–	21/–	30/–	41/– ,,

SAEFTY VALVES

Gun Metal.

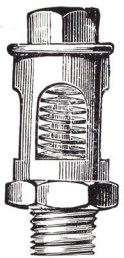


Fig. No. 80

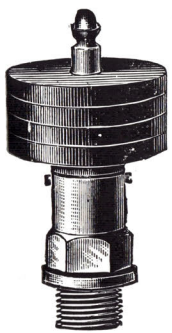


Fig. No. 82

		½	¾	1	1¼	1½	2	2½ in.
Spring Relief Valve	**Fig. No. 80**	8/6	10/9	13/-	18/9	22/-	30/-	each
Range Boiler Safety Valve (Spring Type)	,, ,, **81**			39/-	45/-	per doz.		
Range Boiler Safety Valve (Deadweight Type)	,, ,, **82**			46/-	54/-	,,	,,	
Spring Relief (Screwed Base) ...	,, ,, **83**				20/-	23/6	27/6	35/- 44/- each
Ditto. (Flanged) ...	,, ,, **84**				24/-	27/6	33/-	45/- 56/- ,,
Lever Relief Valve	,, ,, **85**	9/-	12/6	15/6	21/-	32/-	45/-	,,
,, ,, ,, ,,	,, **86**	8/6	12/-	15/-	20/-	30/-	40/-	,,
Diam. of Base Flange for Fig. No. 84				4	4½	5	6	7 in.

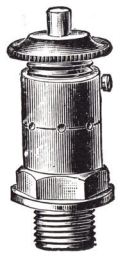


Fig. No. 81

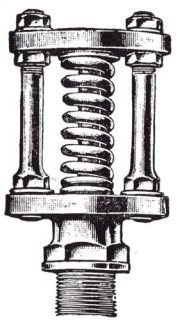


Fig. No. 83

Flanged Base FIG NO. 84.

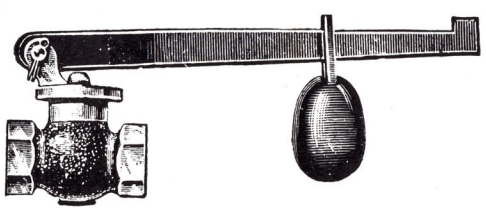


Fig. No. 85

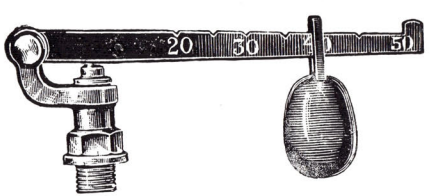


Fig. No. 86

GUN METAL SWIVELS

Etc., For Steam.

Fig. No. 21

Fig. No. 22

Fig. No. 23

				½	¾	1	1¼	1½	2	in.
Gun Metal Round Elbows	**Fig.**	**No.**	**21**	7/6	10/6	13/6	33/–	42/–	78/–	per doz.
,, Elbow Union	,,	,,	**22**	24/–	36/–	51/–	65/–	102/–		,,
,, Tee	,,	,,	**23**	8/6	15/6	20/–	38/–	61/–	95/–	,,
Swiels, (Single Pattern)	,,	,,	**72**	4/–	6/–	10/6	14/–	18/–	50/–	each
,, (Universal)	,,	,,	**73**	8/–	12/–	20/–	29/–	32/–	100/–	,,
,, (Double Pattern)	,,	,,	**74**	5/–	7/–	12/6	19/–	21/–	56/–	,,

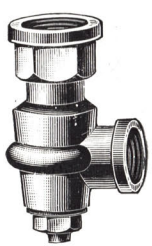


Fig. No. 72

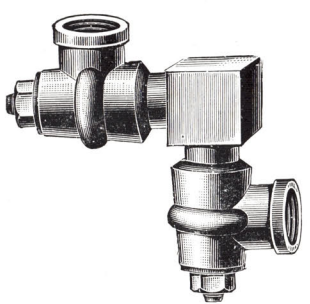


Fig. No. 73

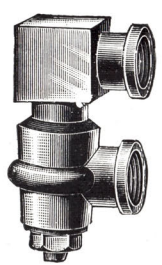
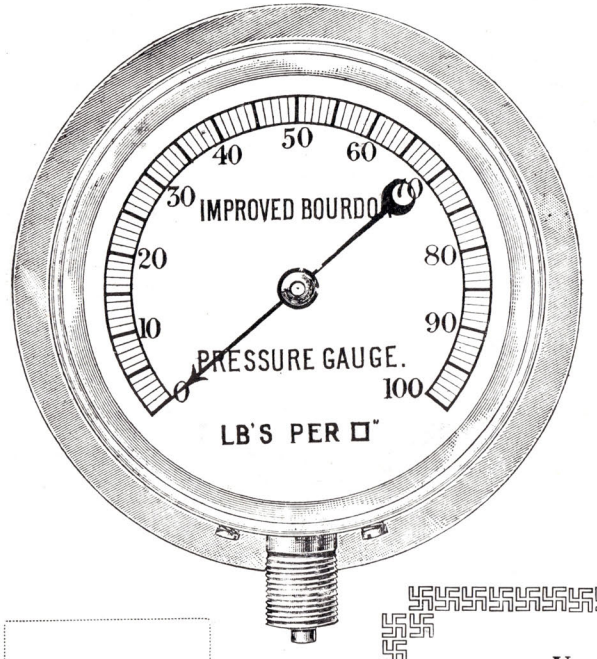
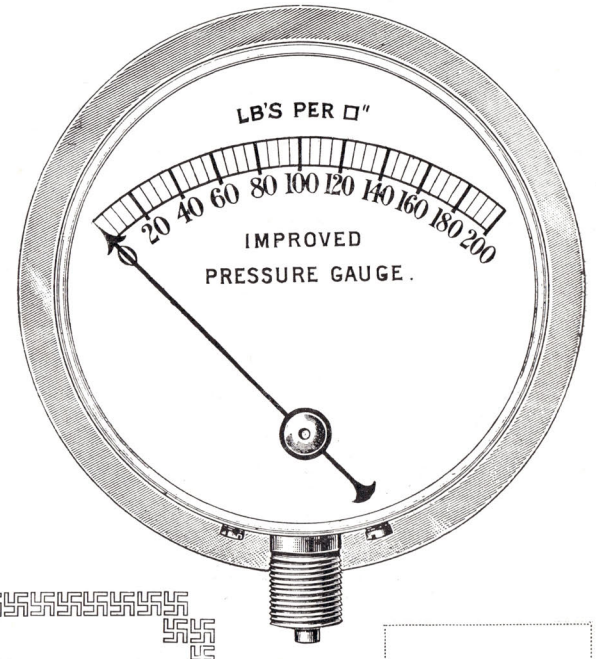


Fig. No. 74

PRESSURE GAUGES





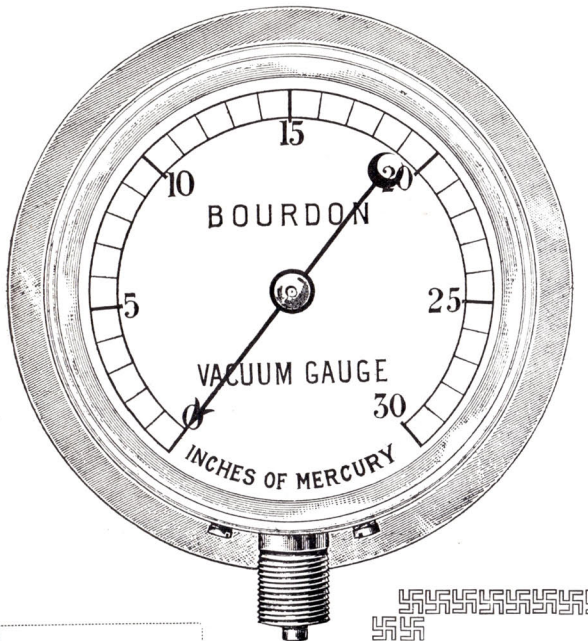
No. 100
BOURDON TYPE IMPROVED PRESSURE GAUGE

No. 100 and No. 101

Inch	3	4	5	6	7
	12/6	**13/6**	**15/6**	**18/–**	**20/–** each
Inch	8	9	10	12	
	26/–	**32/–**	**42/–**	**60/–** each	

No. 101
BOURDON PRESSURE GAUGE ECCENTRIC SCALE

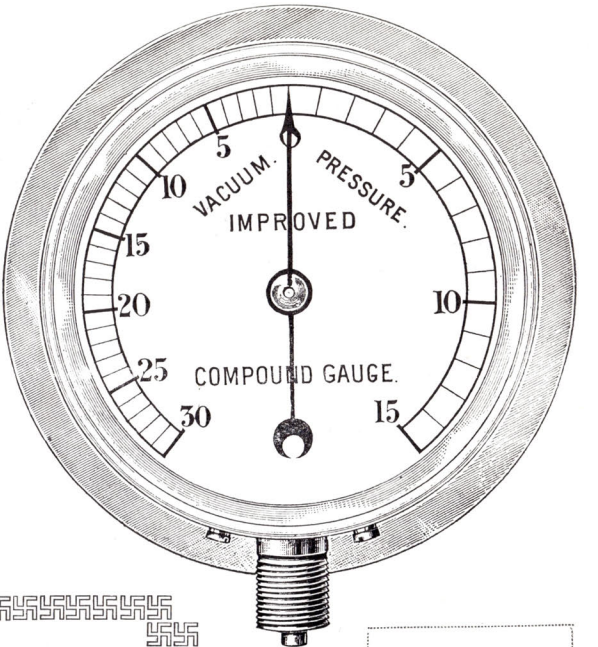
VACUUM GAUGES



No. 102

BOURDON
VACUUM
GAUGE

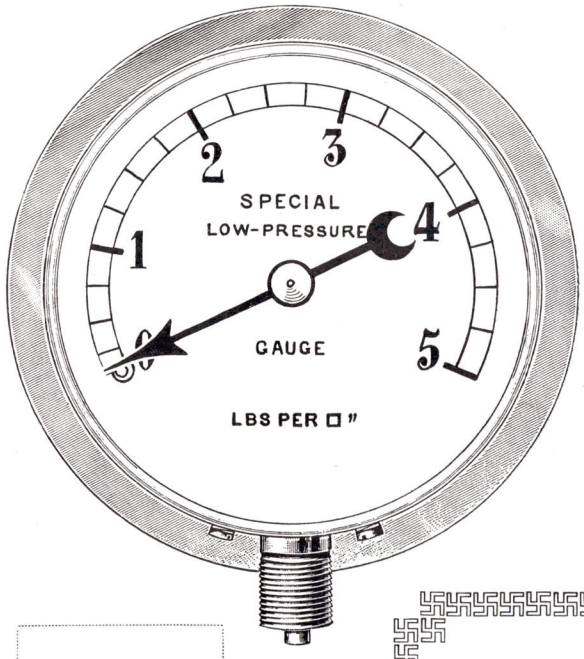
Inch	3	4	5	6	7
No. 102	**12/6**	**13/6**	**15/6**	**18/–**	**20/–**
No. 103	**14/–**	**14/6**	**17/–**	**19/6**	**21/6** each
Inch	8	9	10	12	
No. 102	**26/–**	**34/–**	**42/–**	**60/–**	
No. 103	**27/6**	**36/–**	**44/–**	**60/ -**	each



No. 103

BOURDON
COMPOUND
GAUGE

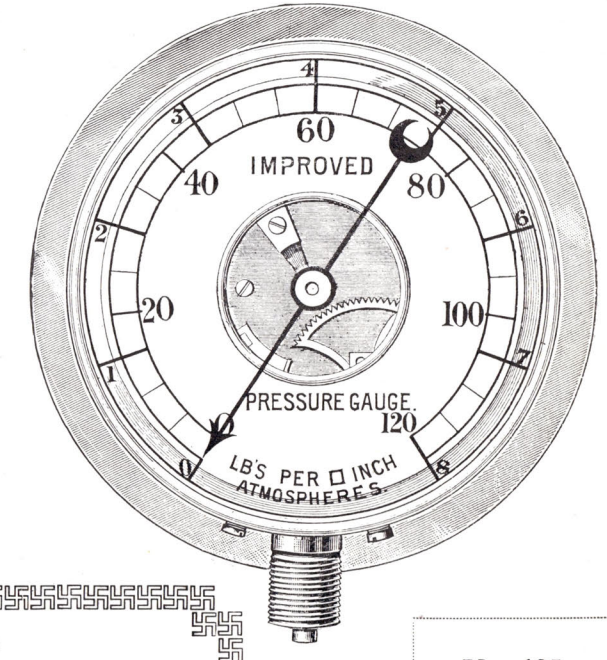
PRESSURE GAUGES



No. 104
BOURDON
LIGHT
PRESSURE
GAUGE

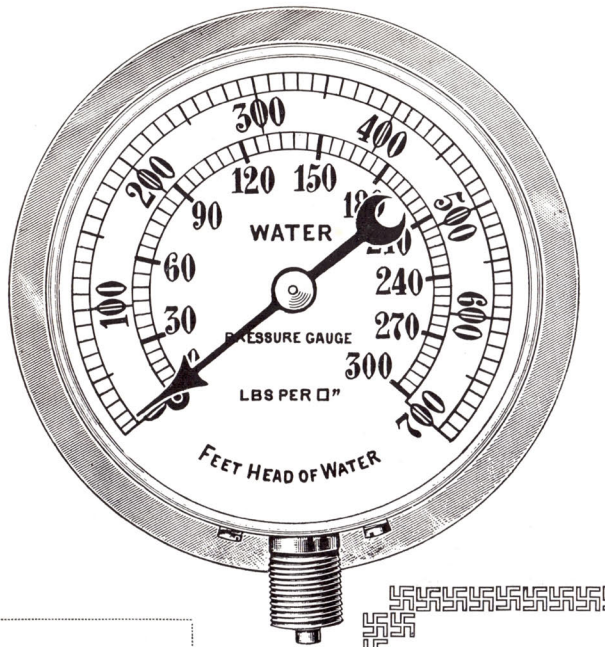
No. 104

Inch	4	5	6	7	8	10	
	15/–	**17**/–	**19**/6	**21**/6	**28**/–	**44**/–	each
Inch	3	4	5	6	7		
No. 105	**14**/–	**14**/6	**17**/–	**19**/6	**21**/6		
Inch	8	9	10	12			
	28/–	**36**/–	**44**/–	**62**/–	each		



No. 105
BOURDON
GAUGE
Marked in
Atmospheres
and lbs.

PRESSURE GAUGES

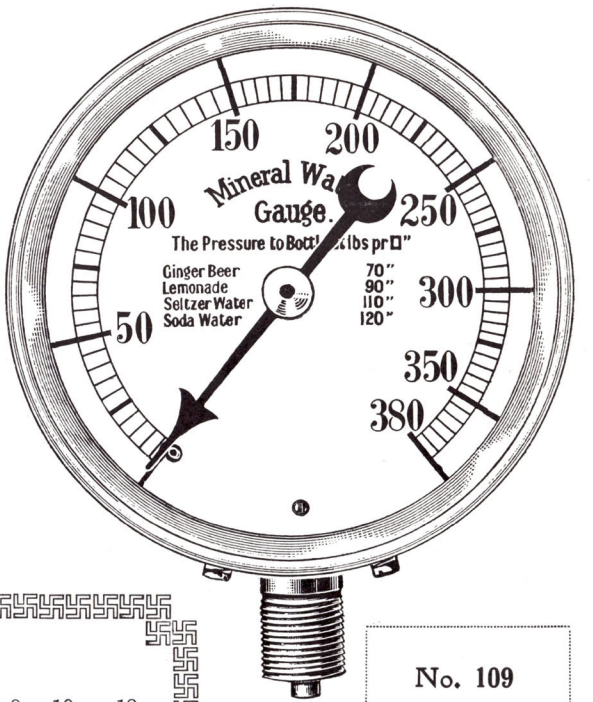


No. 106
BOURDON
WATER
PRESSURE
GAUGE

No. 106

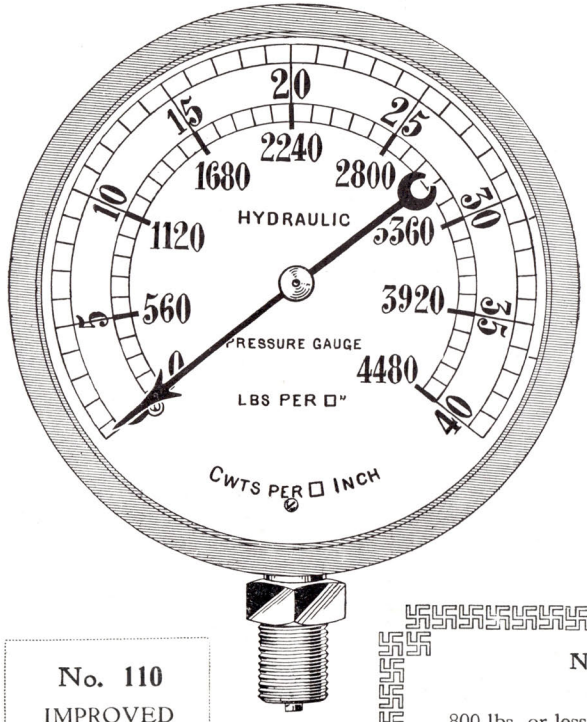
Inch	4	5	6	7	8	9	10	12
	15/6	**17/6**	**20/–**	**22/6**	**29/–**	**36/6**	**45/–**	**63/–** each

Inch	3	4	5	6	7
No. 109	**14/–**	**15/–**	**17/–**	**20/–**	**22/–** each

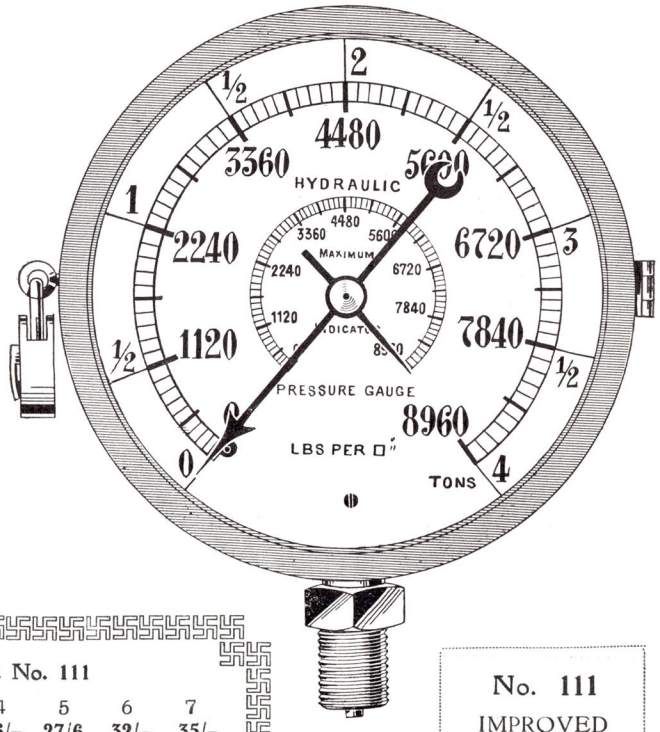


No. 109
BOURDON
MINERAL
WATER
GAUGE

HYDRAULIC GAUGES



No. 110
IMPROVED HYDRAULIC PRESSURE GAUGE
With Strong Hexagon Neck



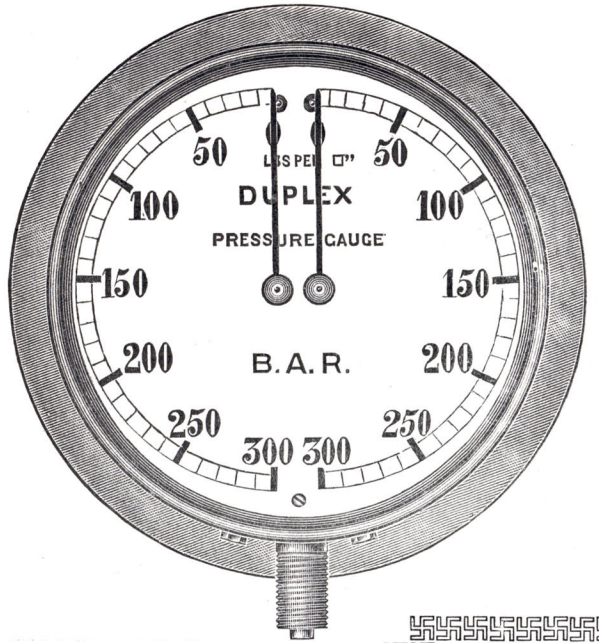
No. 111
IMPROVED HYDRAULIC PRESSURE GAUGE
Maximum Pointer Lock Up Case

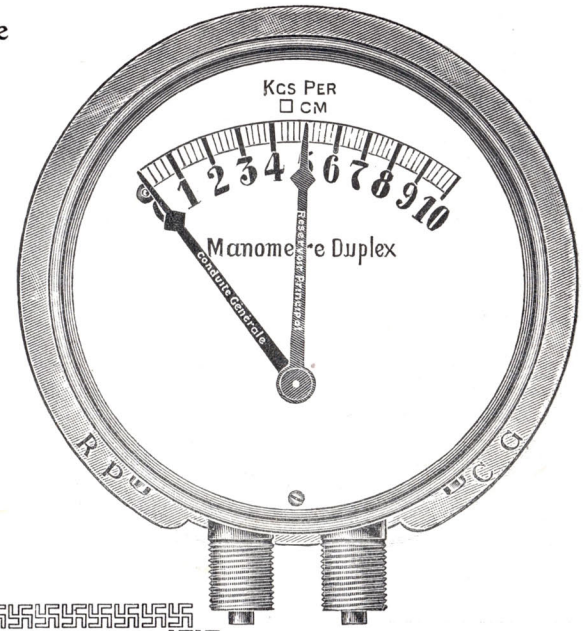
No. 110 and No. 111

Inch	4	5	6	7
800 lbs. or less ...	26/–	27/6	32/–	35/–
2,000 ,, ,, ,, ...	28/6	30/–	33/–	36/–
1 to 6 tons ...	36/–	39/–	41/–	45/–
Extra for Maximun Pointer and Lock-up Case	8/–	9/–	9/–	10/– net.

RAILWAY GAUGES

Pressure





No. 108

BOURDON
DUPLEX
SCALE
GAUGE

RAILWAY GAUGES

IN SOLID BRASS OR IRON CASES. OR WITH LOOSE BACKS, FITTED WITH UNIONS AND TAIL PIECES COMPLETE.

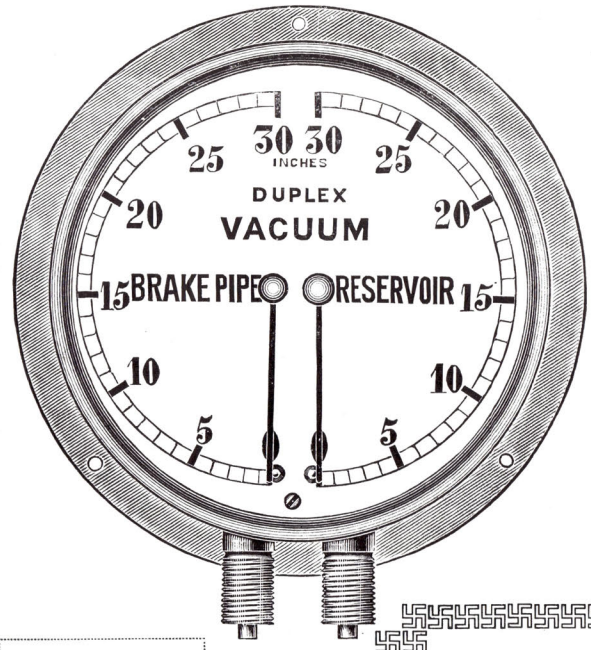
Prices upon application.

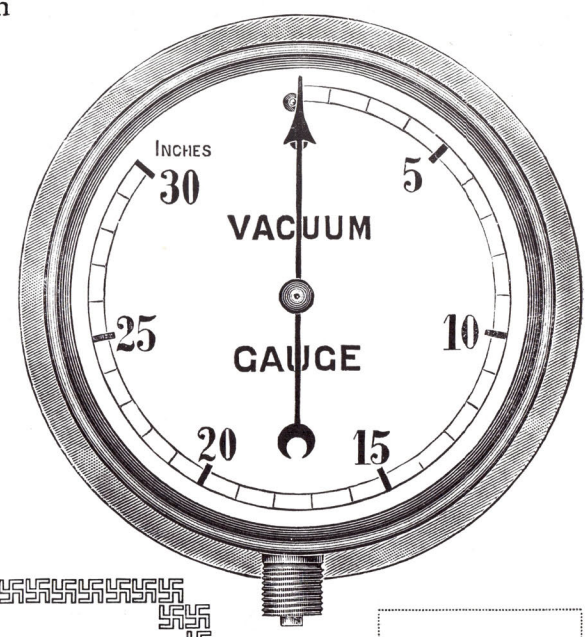
No. 107

BOURDON
DUPLEX
GAUGE

RAILWAY GAUGES

Vacuum





No. 122

BOURDON
DUPLEX
VACUUM
GAUGE

RAILWAY GAUGES

IN SOLID BRASS OR IRON CASES. OR WITH LOOSE BACKS, FITTED WITH UNIONS AND TAIL PIECES COMPLETE.

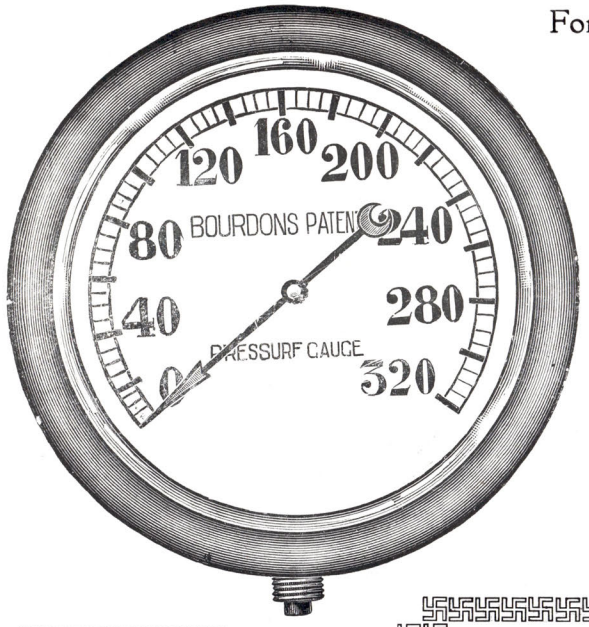
Prices upon application.

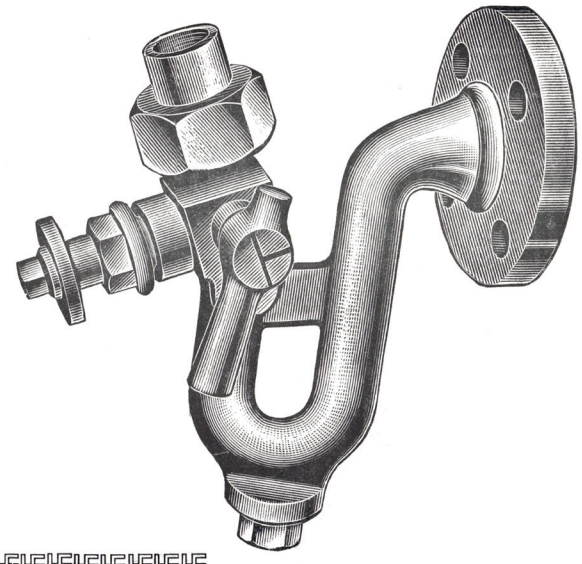
No. 133

BOURDON
SINGLE
VACUUM
GAUGE

PRESSURE GAUGES

For Generating Stations



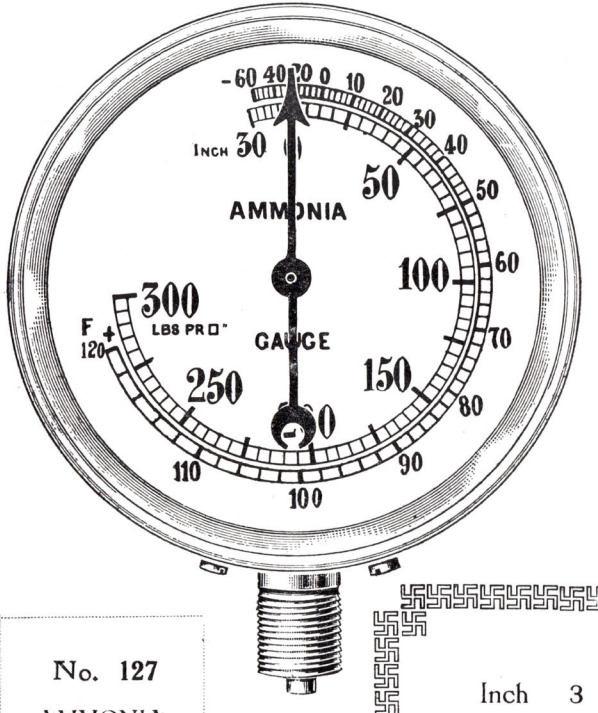


No. 123
BOURDON TYPE IMPROVED PRESSURE GAUGE

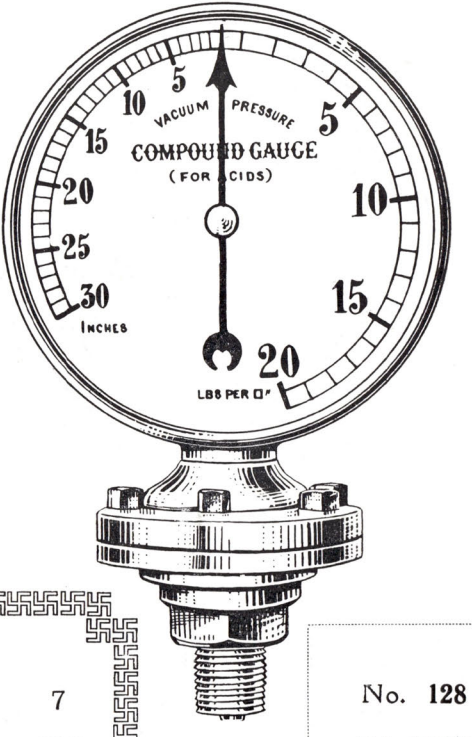
Inch	10	12	14
No. 123	**44**/-	**62**/-	**80**/-
No. 131	**42**/-		

No. 131
GUN METAL SYPHON
with Control Flange

AMMONIA GAUGES



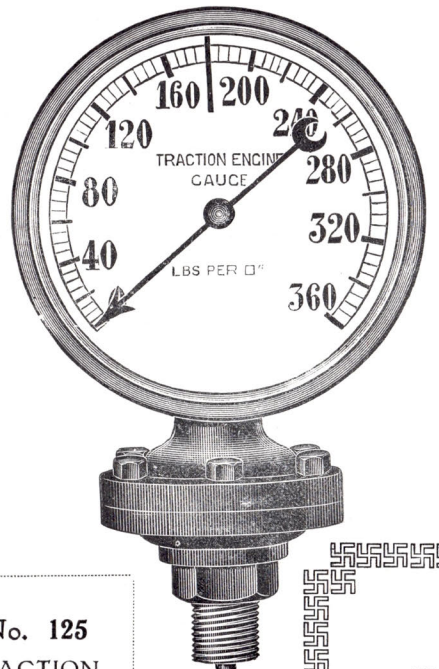
No. 127
AMMONIA
GAUGE
with Temperature
Scale

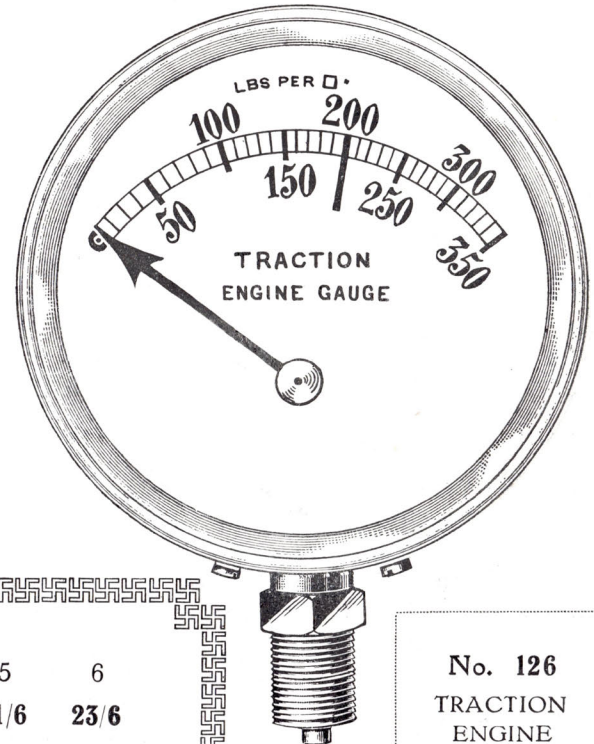


No. 128
ALL IRON
PRESSURE
GAUGE

Inch	3	4	5	6	7
No. 127	25/6	28/–	31/–	35/–	39/6
No. 128	19/6	12/–	23/–	25/–	

TRACTION GAUGES





No. 125
TRACTION
ENGINE
GAUGE
Central Hand

Inch	4	5	6
No. 125	**19/6**	**21/6**	**23/6**
No. 126	**16/-**	**18/-**	**20/-**

SUITABLE ALSO FOR MOTOR LORRIES

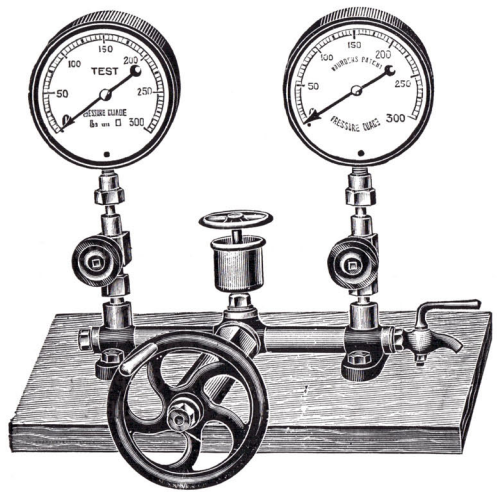
No. 126
TRACTION
ENGINE
GAUGE
with Eccentric
Hand

TEST PUMPS

PRESSURE TEST

For Testing Gauges up
to 3 tons per sq. inch.

Fig. No. 129

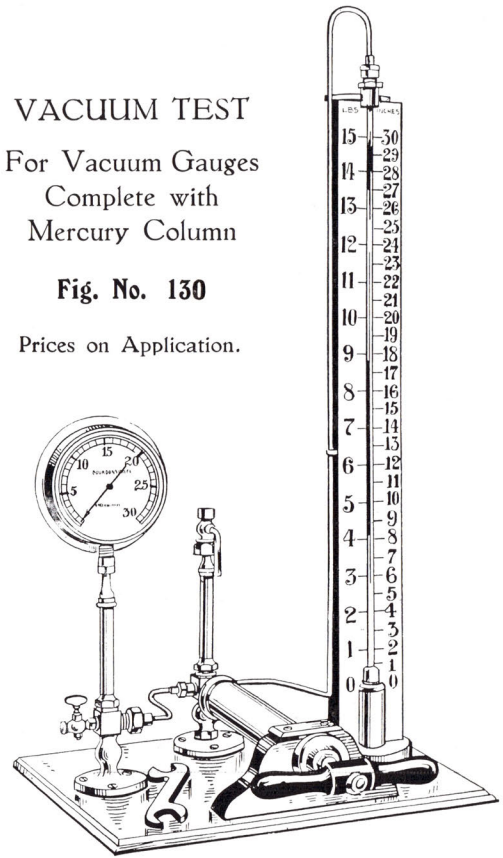


VACUUM TEST

For Vacuum Gauges
Complete with
Mercury Column

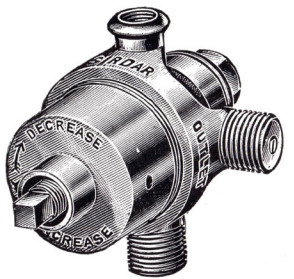
Fig. No. 130

Prices on Application.



CARBONIC GAUGES

and FITTINGS



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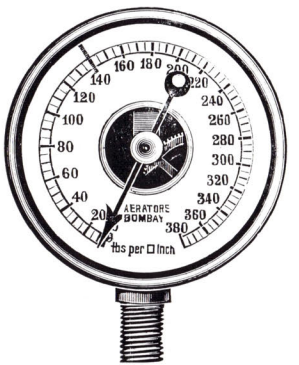

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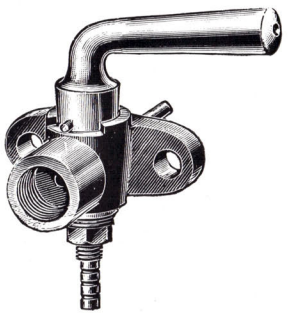


No. 138

No. 136
GUN METAL REGULATOR
With Rubber Diaphragm

No. 138
GUN METAL 3 WAY
REGULATING COCK

No. 139

No. 137
3 inch DIAL CARBONIC
GAUGE
Graduated to 380 lbs. sq. in.

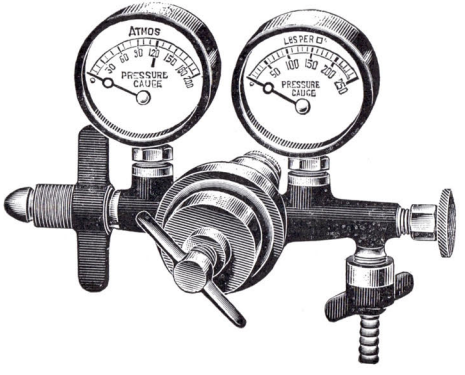
No. 139
SOLID DRAWN COPPER
CONNECTING TUBE

FITTINGS FOR SODA WATER MACHINES.

REGULATORS

Oxygen — Acetylene

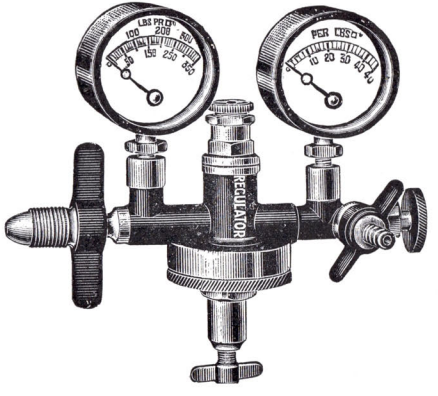
"AJAX"



OXYGEN

Fig. No. 94

High Pressure Gauge $2\frac{1}{2} \times 200$ Atms.
Low Pressure Gauge $2\frac{1}{2} \times 200$ lbs.
Loose Hose Connection
Right Hand Screw
Painted Black
Price **47**/- Complete



ACETYLENE

Fig. No. 95

High Pressure Gauge $2\frac{1}{2} \times 350$ lbs.
Low Pressure Gauge $2\frac{1}{2} \times 45$ lbs.
Loose Hose Connection
Left Hand Thread
Painted Red
Price **47**/- Complete

FITTINGS FOR OXYGEN & HYDROGEN CYLINDERS.

OXYGEN GAUGES

HIGH PRESSURE

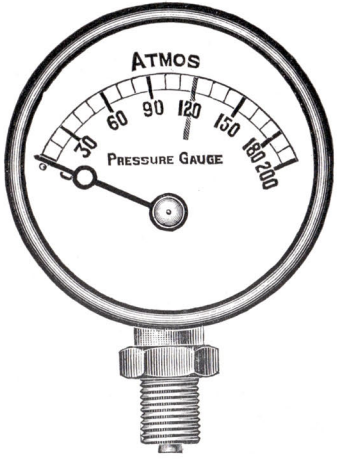


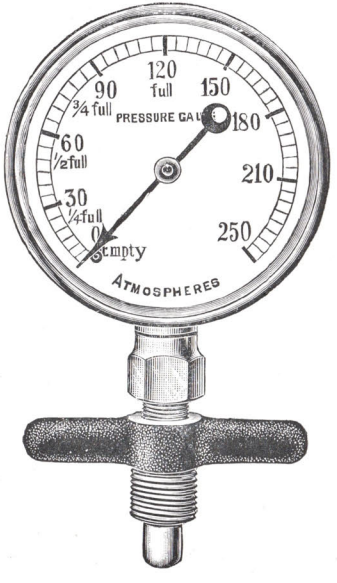
Fig. No. 98

Fig. No. 98
OXYGEN GAUGE
200 Atm.
per sq. in.
2⅝in. Diam.
8/9 each.

Fig. No. 97
OXYGEN GAUGE
with Hinged Disc
at back

Size	Price
3in.	**30**/–
4in.	**35**/–

without
Handscrew



LOW PRESSURE

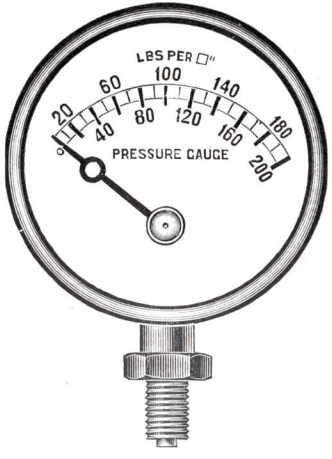


Fig. No. 99

Fig. No. 99
OXYGEN GAUGE
200 lbs. sq. in.
2⅝in. Diam.
7/9 each

PRESSURE GAUGES

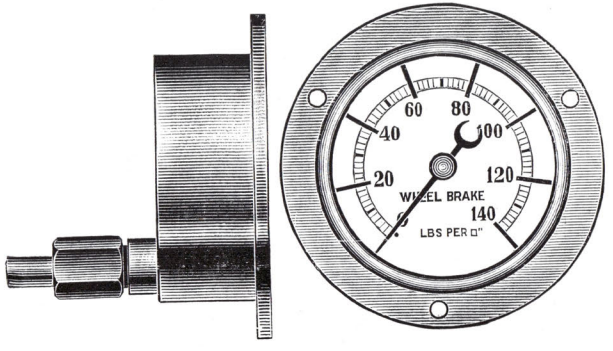


Fig. No. 142
FRONT FLANGE.

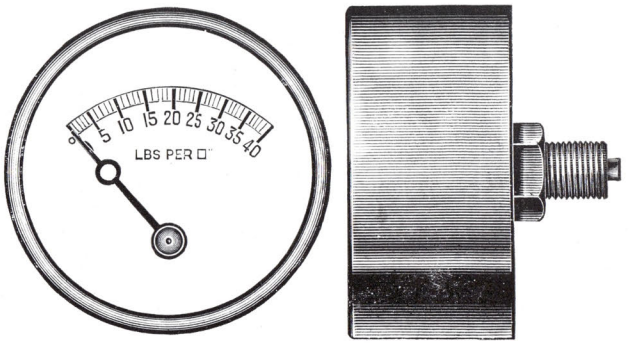


Fig. No. 143

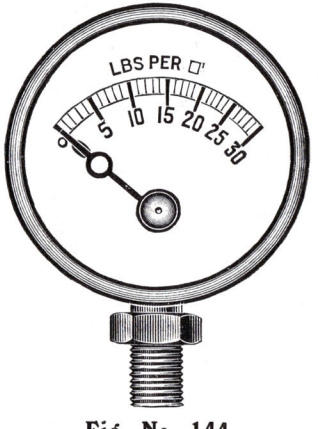


Fig. No. 144

Fig. No. 142	
Size	Price
2½in.	**12/6**
3in.	**13/6**
Fig. No. 143	
2in.	**8/3**
2½in.	**9/–**

Fig. No. 144	
Size	Price
2in.	**8/3**
2½in.	**9/–**

OVERLOAD GAUGES

(100% Overload)

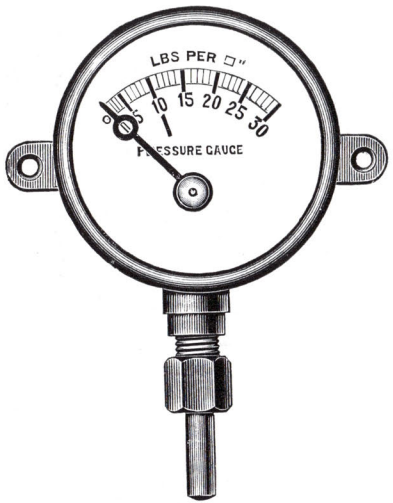


Fig. No. 145

Fig. No. 145	
Size	Price
2in.	8/3
2½in.	9/–

Fig. No. 146	
Size	Price
3in.	12/6
4in.	13/6
5in.	15/6

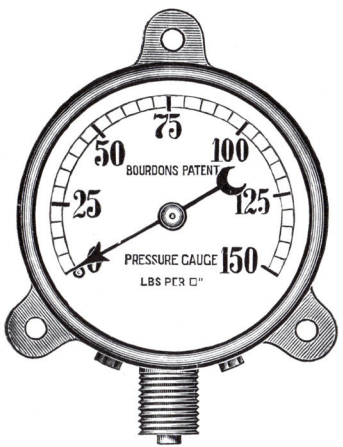


Fig. No 146

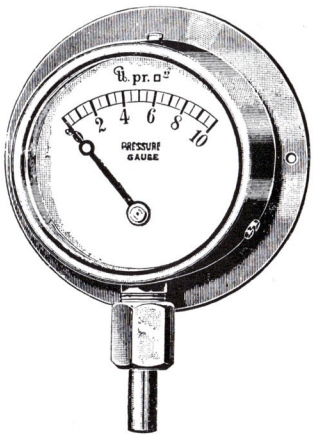


Fig. No. 147

Fig. No. 147	
Size	Price
2in.	8/3
2½in.	9/–